



# Upskill on Artificial Intelligence (AI) and Generative AI

Build Critical AI/Gen AI Skills Across Your Organization with learning content mapped to LinkedIn Learning's AI Upskilling Framework

Globally, AI will change the skills required across most occupations.

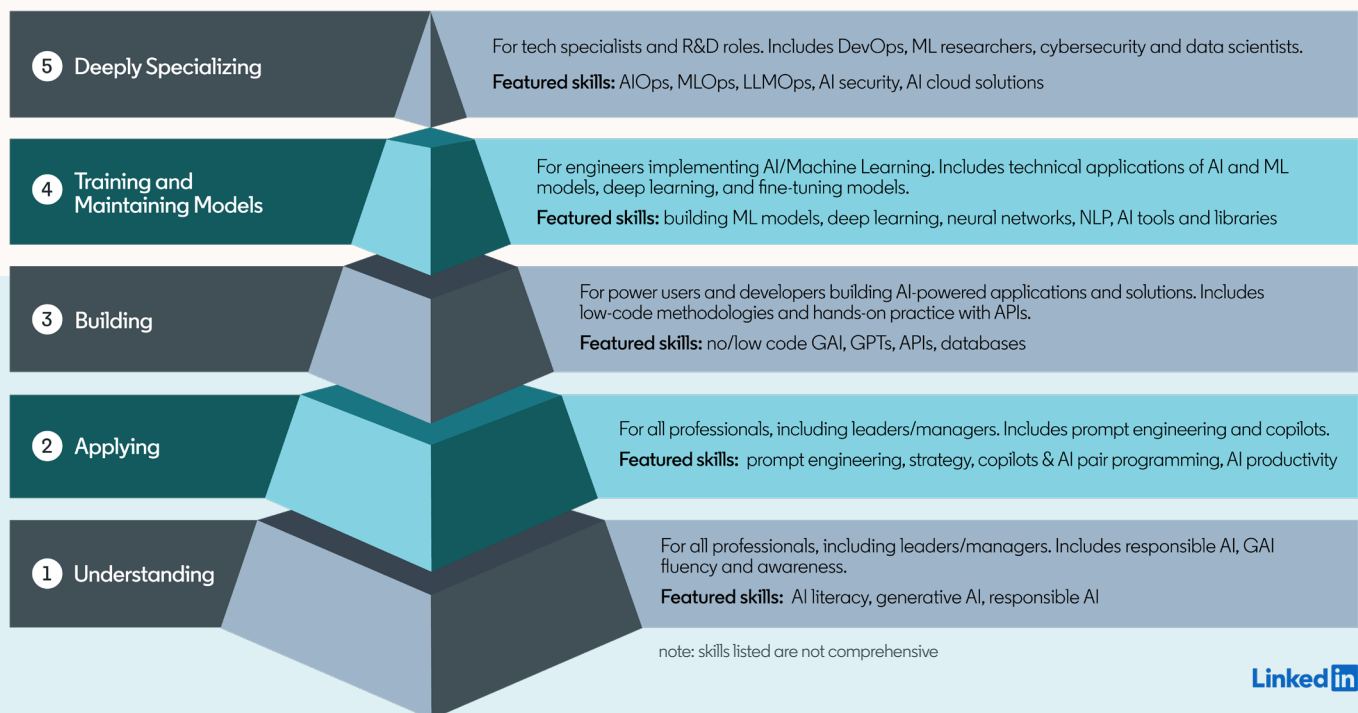
In fact, 82% of leaders say their employees will need new skills to be prepared for the growth of AI, and 4 out of 5 people want to learn more about how to use AI in their profession (LinkedIn Workplace Learning Report). It is then no surprise that Learning and Development teams are charged with upskilling their organizations on AI/Gen AI and aligning learning to business goals.

LinkedIn Learning's AI Upskilling Framework (pictured below) enables organizations to tailor employee development to specific functional and skill needs. Pictured below, AI/Gen AI skills range from essential AI knowledge for general fluency to in-depth expertise for specialized roles.

This on-demand content mapping makes it easy to create an individual, team, or organization-wide strategy by laying out LinkedIn Learning's extensive AI/Gen AI learning content according to our AI Upskilling Framework. With content available in multiple languages, with hands-on practice, and ways to prove skills, organizations can build critical AI/Gen AI skills.

## AI Upskilling Framework

Build business-critical AI skills at every level of your organization





# AI Upskilling Framework Content Mapping

Click on the AI framework levels below to go directly to a list of courses and Learning Paths in each section.

Each section includes course titles with embedded hyperlinks.

## Level 1: Understanding

- [Artificial Intelligence 101](#)
- [Ethical & Responsible AI](#)
- [Computer & Software Tools](#)
- [Business Strategy for Leaders & Managers](#)
- [Technology Trends & Business Impact](#)

## Level 2 Applying: Business Professionals

- [The Integration of Business Strategy and AI](#)
- [Prompt Engineering](#)
- [Soft Skills in the Age of AI](#)
- [Leading in the Age of AI as a People Manager](#)
- [Business Software: Applications](#)

## Level 2 Applying: By Industry and Job Roles

- [Human Resources](#)
- [Finance & Accounting](#)
- [Marketing](#)
- [Product Management](#)
- [Project Management](#)
- [Sales](#)
- [Customer Service](#)
- [Healthcare](#)
- [Technology Leaders](#)
- [Technology Specialists](#)
- [Machine Learning Engineering](#)
- [Developers](#)
- [Creative](#)
- [Photographer](#)
- [UX Designer](#)
- [Other Job Roles](#)

## Level 3: Building

- [Power Users](#)
- [Developers & Generative AI](#)
- [Developers & ML/AI](#)

## Level 4: Training

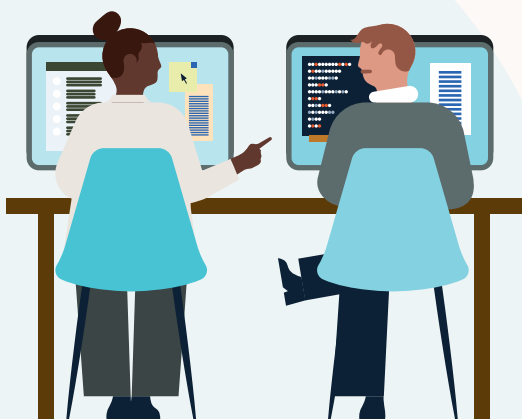
- [Advanced AI](#)
- [Computer Vision](#)
- [AI/ML](#)
- [Deep Learning](#)
- [Foundation Machine Learning](#)
- [Hands On Application](#)
- [ML Libraries](#)
- [Natural Language Processing](#)
- [Neural Networks](#)
- [Additional AI Skills](#)
- [Interviews with AI Experts](#)

## Level 5: Specialization

- [Amazon AWS](#)
- [Amazon AWS Certification](#)
- [Cloud](#)
- [Data Scientists](#)
- [DevOps & AI](#)
- [Google Cloud](#)
- [Google Cloud Certification](#)
- [Microsoft Azure](#)
- [Microsoft Azure Certification](#)
- [Security](#)
- [Interviews with AI Experts](#)

## International Languages

- [Spanish](#)
- [Portuguese](#)
- [French](#)
- [German](#)
- [Japanese](#)
- [Mandarin](#)





# AI Upskilling Framework Content Mapping

## Level 1: Understanding

**Audience:** For all professionals, including leaders/managers. Includes responsible AI, GAI fluency and awareness.

### Artificial Intelligence 101

- [Generative AI vs. Traditional AI](#)
- [Introduction to Artificial Intelligence](#)
- [Introduction to Conversational AI](#)
- [What Is Generative AI?](#)

#### Learning Path

- [Building AI Literacy](#)

### Ethical & Responsible AI

- [AI Accountability: Build Responsible and Transparent Systems](#)
- [AI Ethics: Disability-Centered Frameworks](#)
- [AI Show: Being Responsible with Generative AI](#)
- [Algorithmic Auditing and Continuous Monitoring](#)
- [Building a Responsible AI Program: Context, Culture, Content, and Commitment \(Coming Soon\)](#)
- [Ethics in the Age of Generative AI](#)
- [Foundations of Responsible AI](#)
- [Introduction to AI Governance \(Newly Released\)](#)
- [Leading Responsible AI in Organizations \(Newly Released\)](#)
- [Responsible AI to the Rescue](#)
- [Responsible AI: Principles and Practical Applications](#)
- [Synthetic Data as the Future of AI Privacy, Explainability, and Fairness: An Introduction for Data Scientists and Data Executives](#)
- [Tech On the Go: Ethics in AI](#)
- [Technoethics: A 21st Century Leadership Competency \(Newly Released\)](#)
- [The State of AI and Copyright](#)
- [Understanding Bias in AI](#)

#### Learning Paths

- [Responsible AI Foundations \(Newly Released\)](#)
- [Mastering Responsible AI: From Concept to Auditing \(Coming Soon\)](#)





# AI Upskilling Framework Content Mapping

## Level 1: Understanding

**Audience:** For all professionals, including leaders/managers. Includes responsible AI, GAI fluency and awareness.

### Computer & Software Tools

- [Algorithmic Auditing and Continuous Monitoring](#)
- [Artificial Intelligence Foundations: Thinking Machines](#)
- [Causal AI: A Tech Primer](#)
- [Generative AI Imaging: What Creative Pros Need to Know](#)
- [Generative AI: The Evolution of Thoughtful Online Search](#)
- [Generative AI: Working with Large Language Models](#)
- [GPT-4 Turbo: The New GPT Model and What You Need to Know \(Newly Released\)](#)
- [GPT-4: The New GPT Release and What You Need to Know](#)
- [Introduction to Auditing AI Systems](#)
- [Introduction to Generative Adversarial Networks \(GANs\)](#)
- [Introduction to Generative AI with GPT](#)
- [Introduction to Large Language Models](#)
- [Next Generation AI: An Intro to GPT-3 Trending Tools](#)
- [Trending Tools](#)

### Business Strategy for Leaders & Managers

- [AI Challenges and Opportunities for Leadership](#)
- [Disruptive Technologies Case Studies for Business Leaders](#)
- [Generative AI and Workplace Transformation](#)

### Technology Trends and Business Impact

- [Foundations of the Fourth Industrial Revolution \(Industry 4.0\)](#)
- [AI 2041: Five Visions for Our Future \(Book Bite\)](#)
- [Tech Trends](#)
- [AI Trends \(Newly Released\)](#)
- [Compliance and Regulations for Generative AI \(Coming Soon\)](#)
- [The Datapreneurs: How People Are Shaping the Future of AI \(Book Bite\)](#)





# AI Upskilling Framework Content Mapping

## Level 02: Applying: Business Professionals

**Audience:** For all professionals, including leaders/managers. Includes prompt engineering and copilots.

### The Integration of Business Strategy and AI

- [AI and Sustainability \(Newly Released\)](#)
- [Artificial Intelligence and Business Strategy](#)
- [Artificial Intelligence and Business Strategy: Case Studies](#)
- [Artificial Intelligence Case Studies in Different Business Industries](#)
- [Creating an AI Adoption Strategy for Businesses \(Coming Soon\)](#)
- [Generative AI Approaches to Business Challenges](#)
- [Generative AI for Business Leaders](#)
- [Get Ready for Generative AI](#)
- [Integrating Generative AI into Business Strategy \(Newly Released\)](#)
- [How to Keep Your Team on the Bleeding Edge of AI Innovation \(Coming Soon\)](#)
- [LinkedIn AI Academy AI-100: 3 Scaling AI at LinkedIn](#)
- [Using AI in Research Projects](#)
- [Ya Xu: How to Turn AI from a Buzz Word to a Business Tool](#)

#### Learning Paths

- [Building ChatGPT Skills for Business Professionals \(Newly Released\)](#)
- [Building Generative AI Skills for Business Pros \(Newly Released\)](#)

#### Professional Certificate

- [Career Essentials in Generative AI by Microsoft and LinkedIn \(Newly Released\)](#)

### Prompt Engineering

- [Advanced Prompt Engineering Techniques](#)
- [Introduction to Prompt Engineering for Generative AI](#)
- [Multimodal Prompting with Google's Project Gemini](#)
- [Nano Tips for Creating Better Prompts for ChatGpt \(Coming Soon\)](#)
- [Prompt Engineering with ChatGPT \(Newly Released\)](#)
- [Prompt Engineering with Gemini \(Newly Released\)](#)
- [Prompt Engineering with LangChain \(Newly Released\)](#)
- [Prompt Engineering: How to Talk to the AIs](#)
- [Prompting ChatGPT with Multimodal Techniques](#)
- [The Power of Accurate Prompting with Anthropic's Claude](#)

#### Learning Paths

- [Develop Your Prompt Engineering Skills](#)





# AI Upskilling Framework Content Mapping

## Level 02: Applying: Business Professionals

**Audience:** For all professionals, including leaders/managers. Includes prompt engineering and copilots.

### Soft Skills in the Age of AI

- [AI Productivity Hacks to Reimagine Your Workday and Career](#)
- [Amplify Your Business Writing with AI \(Coming Soon\)](#)
- [Amplify Your Communication Skills with Generative AI \(Newly Released\)](#)
- [Amplify Your Critical Thinking with Generative AI \(Newly Released\)](#)
- [Amplify Your Personal Brand with Generative AI \(Coming Soon\)](#)
- [Building a Collaborative Team Culture with AI](#)
- [Building Career Agility and Resilience in the Age of AI](#)
- [Designing a Presentation \(Coming Soon\)](#)
- [Generative AI Tools for Productivity and Research \(Coming Soon\)](#)
- [How to Boost Your Productivity with AI Tools](#)
- [How to Research and Write Using Generative AI Tools](#)
- [Nano Tips to Use AI for Better Work-Life Balance with Ashley Herd \(Coming Soon\)](#)
- [The Art and Craft of AI for Business Resilience \(Coming Soon\)](#)

### Professional Certificate

- [Build Your Generative AI Productivity Skills with Microsoft and LinkedIn \(Newly Released\)](#)

### Leading in the Age of AI as a People Manager

- [Become an AI-Powered Manager \(Newly Released\)](#)
- [Build AI Aptitude in Your Organization as a Leader \(Newly Released\)](#)
- [Enhance Your Coaching Impact with Generative AI \(Coming Soon\)](#)
- [Generative AI for Business Leaders](#)
- [Leading with a Digital Mindset in the Age of AI](#)
- [The Manager's Guide to Career Conversations in the Age of AI \(Coming Soon\)](#)

### Learning Paths

- [Build AI Aptitude as a Middle Manager \(Newly Released\)](#)
- [Build AI Aptitude as a New Manager \(Newly Released\)](#)
- [Build AI Aptitude as a Senior Manager \(Newly Released\)](#)
- [Build AI Aptitude as an Aspiring Manager \(Newly Released\)](#)





# AI Upskilling Framework Content Mapping

## Level 02: Applying: Business Professionals

**Audience:** For all professionals, including leaders/managers. Includes prompt engineering and copilots.

### Business Software: Applications

#### ChatGPT

- [Excel and ChatGPT: Data Analysis Power Tips](#)
- [Generative AI Productivity Hacks with Miss Excel](#)
- [Nano Tips for Leveraging Technical Prompts Using ChatGPT with Lachezar Arabadzhiev](#)
- [Nano Tips for Navigating Advanced Data Analysis, Vision, and Voice in ChatGPT with Lachezar Arabadzhiev \(Newly Released\)](#)
- [Supercharge Your Productivity with ChatGPT Plugins](#)

#### Learning Paths

- [Building ChatGPT Skills for Business Professionals \(Coming Soon\)](#)

#### Microsoft Apps & Copilot

- [AI in Business Essential Training](#)
- [Copilot for Windows: Leveraging your PC's AI Assistant](#)
- [Copilot in Excel: Supercharge Your Productivity](#)
- [Copilot in OneNote: Smarter Note-Taking with AI \(Newly Released\)](#)
- [Copilot in PowerPoint: From Prompt to Presentation \(Newly Released\)](#)
- [Copilot in Teams: AI-Powered Collaboration \(Newly Released\)](#)
- [Copilot in Word: Create and Refine Documents with AI \(Newly Released\)](#)
- [Copilot Studio First Look \(Newly Released\)](#)
- [Excel with Copilot: AI-Driven Data Analysis \(Newly Released\)](#)
- [Learning Microsoft 365 Copilot](#)
- [Learning Microsoft Teams Premium](#)
- [Microsoft 365 Chat: Get Secure Answers About Your Organization with AI \(Newly Released\)](#)

### Business Software: Applications *(continued)*

#### Microsoft Apps & Copilot *(continued)*

- [Microsoft 365 Copilot Quick Tips \(Coming Soon\)](#)
- [Microsoft Mesh and New Meeting Features in Microsoft Teams \(Newly Released\)](#)
- [Microsoft Teams AI Solutions: Teams Premium vs. Copilot](#)
- [Microsoft Teams Essential Training \(Newly Released\)](#)
- [Power BI: Integrating AI and Machine Learning](#)
- [Power BI: Working Together with ChatGPT](#)
- [Streamlining Your Work with Microsoft Copilot \(Newly Released\)](#)
- [Use Copilot AI for Secure Work Data in Your Organization \(Newly Released\)](#)
- [Using Microsoft SharePoint Syntex for AI Document Management](#)
- [What is Copilot? Get Started with Microsoft's Everyday AI Companion \(Newly Released\)](#)
- [Windows 11 AI: Leveraging the New Bundled Apps \(Newly Released\)](#)

#### Learning Paths

- [Get Started with Microsoft Copilot \(Newly Released\)](#)

#### Other Apps

- [Boost Your Desktop Productivity with Finito AI](#)
- [Getting Started with Bard, Google's Experimental AI](#)
- [Google Gemini: Get Started with Google's AI Assistant \(Newly Released\)](#)
- [Learning Notion](#)
- [Magic ToDo: An AI Tool to Make Complex Projects Simpler](#)
- [Zoom AI Companion: Maximizing Your Virtual Meeting Productivity](#)



# AI Upskilling Framework Content Mapping

## Level 02: Applying: By Industry and Job Roles

**Audience:** For professionals in specific industries and roles. Includes prompt engineering and copilots.

### Job Role: Human Resources Professionals

[Talent Acquisition, HR Manager, L&D Specialist]

- [AI and the Workforce: A Deep Dive with Aneesh Raman and Alex Swartse](#) (Newly Released)
- [Applied AI for Human Resources](#) (Newly Released)
- [Generative AI and Workplace Transformation](#)
- [Generative AI in HR](#)
- [Generative AI in Learning and Development](#)
- [Generative AI, Recruiting, and Talent Acquisition](#)
- [Using Gen AI to Develop Personalized Learning Plans](#) (Coming Soon)
- [Using Generative AI for Performance Management](#) (Coming Soon)

#### Learning Paths

- [Become an AI-Powered Learning and Development Professional](#) (Newly Released)
- [Become an AI-Powered Recruiter](#) (Newly Released)

### Job Role: Finance and Accounting Professionals

- [AI in Fintech Essential Training](#) (Coming Soon)
- [Leveraging Generative AI in Finance and Accounting](#)
- [Using ChatGPT and Generative AI in FinTech](#)

### Job Role: Marketing Professionals

- [Elevate Your Business Branding with Generative AI](#)
- [Future-Proof Your Marketing: GenAI Integration for ROI Optimization](#)
- [Generative AI for Digital Marketers](#) (Coming Soon)
- [Generative AI for Digital Marketers](#)
- [How to Generate Marketing Leads with AI](#)
- [How to use ChatGPT for Content Creation](#)
- [Marketing Tools: How to Leverage AI Tools to Transform Your Marketing](#) (Coming Soon)
- [Nano Tips for Creating an AI Prompt Library for Marketing Professionals with Ross Simmonds](#) (Newly Released)
- [Nano Tips For Marketing Using AI Tools with Sam Dey](#) (Newly Released)
- [Nano Tips for Using AI for Your Content Marketing with Ross Simmonds](#)
- [Nano Tips for Using ChatGPT for Marketers with Ross Simmonds](#) (Newly Released)
- [Nano Tips for Using Generative AI Tools for Better Marketing Outcomes with Joanna Yung](#)
- [Using AI as Your SEO Assistant](#)
- [Writing Great Content with Gen AI That Doesn't Sound Fake](#) (Coming Soon)

#### Learning Paths

- [AI Essentials for Marketers](#) (Coming Soon)
- [Building ChatGPT Skills for Marketing](#) (Coming Soon)





# AI Upskilling Framework Content Mapping

## Level 02: Applying: By Industry and Job Roles

**Audience:** For professionals in specific industries and roles. Includes prompt engineering and copilots.

### Job Role: Product Leader & Manager

- [Becoming an AI-First Product Leader](#)
- [Data-Driven Product Management \(Newly Released\)](#)
- [Generative AI for Business Leaders](#)
- [Generative AI for Product Managers](#)

### Job Role: Project Manager

- [Agile Teams in the Age of AI \(Coming Soon\)](#)
- [AI-Driven Project Management: Techniques and Insights with Ricardo Vargas \(Newly Released\)](#)
- [Artificial Intelligence: How Project Managers Can Leverage AI](#)
- [ChatGPT for Project Managers: 10x Your Productivity with AI \(Newly Released\)](#)
- [Leveraging Generative AI for Project Management](#)
- [Microsoft Loop: AI-Enhanced Project Management and Note-Taking](#)
- [Thriving as a Project Manager in the Age of AI \(Newly Released\)](#)
- [Using AI in Research Projects](#)

#### Learning Paths

- [AI Essentials for Project Managers \(Newly Released\)](#)

### Job Role: Sales Professionals

- [Better Relationships and More Sales: Using ChatGPT to Sell \(Coming Soon\)](#)
- [Generative AI for Sales and Services Professionals](#)
- [Increase Sales with ChatGPT](#)
- [Sales Strategy: Using AI and Automation to Sell More](#)
- [Winning Over Execs: Sales Presentations with an AI Boost \(Coming Soon\)](#)

#### Learning Paths

- [AI Essentials for Sales Professionals \(Coming Soon\)](#)

### Job Role: Customer Support Specialist

- [Balancing AI and the Human Touch in Customer Service \(Coming Soon\)](#)
- [Nano Tips for de-Escalating Conversations with Customers \(Coming Soon\)](#)
- [Using AI in Customer Service](#)

### Job Role: Healthcare Leader

- [An Introduction to How Generative AI Will Transform Healthcare \(Newly Released\)](#)
- [Hands-on Data Science and AI for Healthcare](#)





# AI Upskilling Framework Content Mapping

## Level 02: Applying: By Industry and Job Roles

**Audience:** For professionals in specific industries and roles. Includes prompt engineering and copilots.

### Job Role: Technology Leaders

- [AI and the Future of Work: Workflows and Modern Tools for Tech Leaders \(Newly Released\)](#)
- [Building A Generative AI Tech Strategy \(Coming Soon\)](#)
- [Scaling Generative AI: Building a Strategy for Adoption and Expansion \(Newly Released\)](#)

#### Learning Path

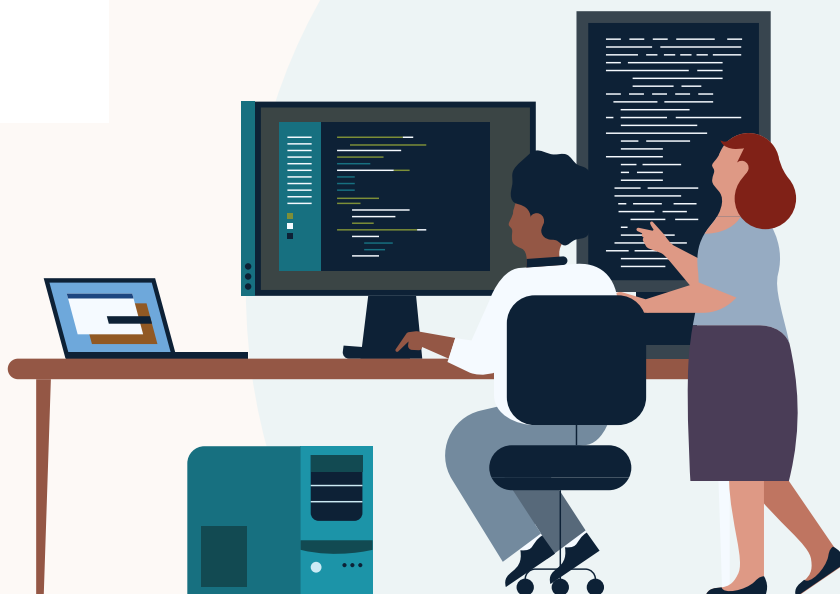
- [AI Essentials for Tech Leaders \(Coming Soon\)](#)

### Job Role: Machine Learning Engineering

- [Executive Guide to AutoML](#)
- [Giving Computers Vision](#)
- [Machine Learning with Data Reduction in Excel, R, and Power BI](#)
- [Top 10 Skills for Machine Learning Professionals](#)
- [Top 10 Skills for NLP Specialists](#)
- [Transitioning into Machine Learning Engineering](#)

### Job Role: Technology Specialists

- [AI Fundamentals for Data Professionals](#)
- [Applied AI for IT Operations \(AIOps\) \(Newly Released\)](#)
- [ChatGPT Tips for the Help Desk](#)
- [Hands-on Data Science and AI for Healthcare](#)
- [IT Service Desk: Create a Knowledge Management Center Using ChatGPT \(Coming Soon\)](#)
- [Power BI: Integrating AI and Machine Learning](#)
- [Power BI: Working Together with ChatGPT](#)
- [Top 10 Skills for Machine Learning Cloud Architects](#)





# AI Upskilling Framework Content Mapping

## Level 02: Applying: By Industry and Job Roles

**Audience:** For professionals in specific industries and roles. Includes prompt engineering and copilots.

### Job Role: Developers

- [AI Engineering Essentials: Navigating the Tech Revolution \(Newly Released\)](#)
- [Advanced Prompt Engineering Techniques](#)
- [AI and Developer Productivity \(Coming Soon\)](#)
- [Prompt Engineering: How to Talk to the AIs](#)
- [LinkedIn AI Academy AI-100: 1 Demystifying AI](#)
- [Synthetic Data: Advanced Concepts and Applications \(Newly Released\)](#)
- [Top 10 Skills for AI Engineer/AI Ops Engineers](#)
- [Top 10 Skills for AI Systems Designers](#)
- [Top 10 Skills for Computational Linguistics](#)

### ChatGPT

- [ChatGPT and Power BI \(Coming Soon\)](#)
- [ChatGPT and Python \(Coming Soon\)](#)
- [ChatGPT and SQL \(Coming Soon\)](#)
- [ChatGPT for Web Developers](#)
- [HTML, CSS, and Generative AI: Speed Up Your Process \(Newly Released\)](#)

### Github & Github Copilot

- [AI Pair Programming with GitHub Copilot](#)
- [AI Pair Programming with GitHub Copilot X](#)
- [AI-Powered Programming with GitHub Copilot by Microsoft Press \(Newly Released\)](#)
- [Data Pipeline Automation with GitHub Actions Using R and Python](#)
- [Learning AI with GitHub Copilot](#)
- [Pair Programming with AI](#)
- [Practical GitHub Copilot](#)

### Job Role: Developers *(continued)*

#### JavaScript

- [AI Programming for JavaScript Developers \(Coming Soon\)](#)
- [Integrating Generative AI into JavaScript Web Projects \(Coming Soon\)](#)

### Job Role: Creative Professional

- [Adobe Firefly Essential Training](#)
- [Adobe Firefly: First Look](#)
- [Adobe Firefly: Tips and Production Techniques \(Coming Soon\)](#)
- [Canva Magic Studio: Elevate Digital Content with AI \(Coming Soon\)](#)
- [DALL-E: the Creative Process and the Art of Prompting](#)
- [Generative AI for Podcasters](#)
- [Generative AI: Rights and Copyrights for Creatives \(Coming Soon\)](#)
- [Integrating Generative AI into the Creative Process](#)
- [Leveraging AI in Adobe Photoshop and Creative Cloud](#)
- [Microsoft Designer: Create Stunning Designs with the Power of AI](#)
- [Midjourney: Tips and Techniques for Creating Images](#)
- [Photoshop 2024: New AI Features](#)
- [Photoshop on the Web Essential Training](#)
- [Photoshop: AI Neural Filters for Creative Edits \(Coming Soon\)](#)
- [Stable Diffusion: Tips, Tricks, and Techniques](#)
- [Using Adobe Firefly with Photoshop \(Coming Soon\)](#)
- [Using AI Imagery for Illustration and Design](#)

#### Learning Path

- [Building Generative AI Skills for Creative Pros \(New\)](#)



# AI Upskilling Framework Content Mapping

## Level 02: Applying: By Industry and Job Roles

**Audience:** For professionals in specific industries and roles. Includes prompt engineering and copilots.

### Job Role: Photographer

- [AI and Generative AI for Video Content Creation \(Newly Released\)](#)
- [AI and Machine Learning Tools for After Effects](#)
- [AI in Video Production and Post](#)
- [Generative AI Skills for Creative Content: Opportunities, Issues, and Ethics](#)
- [Learning Photoshop Compositing](#)
- [Photoshop for Photographers \(Coming Soon\)](#)
- [Unleashing the Power of DALL-E 3: A Conversation with Creative Director Chad Nelson](#)
- [Video Without Cameras: Text-to-Video Tools and Trends \(Newly Released\)](#)

### Job Role: UX Designer

- [Design to Code: Using AI to Build Faster](#)
- [Using AI in the UX Design Process](#)
- [Using AI Tools for UX Design](#)

#### Learning Paths

- [AI Essentials for User Experience Designers \(Coming Soon\)](#)

### Other Job Roles

- [Autodesk Forma First Look](#)
- [Generative AI for Business Analysts \(Coming Soon\)](#)
- [Using Generative Artificial Intelligence \(AI\) in Supply Chains \(Newly Released\)](#)





# AI Upskilling Framework Content Mapping

## Level 03: Building

**Audience:** For power users and developers building AI-powered applications and solutions. Includes low-code methodologies and hands-on practice with APIs.

### Power Users

**Business Power User:** A professional in a non-technical role who possesses advanced proficiency and expertise in utilizing various software tools, applications, and technologies to optimize business processes, analyze data, and drive organizational productivity and efficiency.

Common roles include business analyst and operations specialists with no coding experience required.

- [Build Your Own GPTs \(Newly Released\)](#)
- [Building in Microsoft Copilot Studio \(Newly Released\)](#)
- [ChatGPT: Publishing GPTs on the GPT Store \(Newly Released\)](#)
- [Creating GPTs with Actions \(Newly Released\)](#)
- [Enhance Custom GPTs with Zapier Actions \(Newly Released\)](#)
- [Nano Tips for Creating Custom GPTs and Assistants \(Coming Soon\)](#)
- [No-Code AI: Harness the Power of AI without Programming](#)
- [No-Code Generative AI for Business Professionals \(Newly Released\)](#)
- [OpenAI ChatGPT: Creating Custom GPTs](#)
- [Powerful Custom GPTs You Can Build Right Now](#)
- [UX for AI: Design Practices for AI Developers](#)

#### Learning Paths

- [Getting Started with Building Custom GPTs \(Newly Released\)](#)

### Developers & Generative AI

- [AI Pricing: A Technical Breakdown of the Cost and Revenue Opportunities \(Newly Release\)](#)

### Developers & Generative AI *(continued)*

- [Generative AI: Introduction to Large Language Models](#)
- [Hands-On AI: Build a Generative Language Model from Scratch](#)
- [Hands-On AI: Building LLM-Powered Apps \(Newly Released\)](#)
- [Hands-On Generative AI with Diffusion Models: Building Real-World Applications \(Newly Released\)](#)
- [Hands-On Generative AI: Getting Started with Vector Search \(Coming Soon\)](#)
- [Installing, Running and Testing LLMs on Your Local Computer \(Newly Released\)](#)
- [Introducing Semantic Kernel: Building AI-Based Apps](#)
- [Introduction to AI-Native Vector Databases](#)
- [Semantic Kernel in Action: 1 Fundamentals \(Coming Soon\)](#)
- [Vector Databases in Practice: Deep Dive \(Newly Released\)](#)

#### Learning Paths

- [Become an AI Engineer \(Coming Soon\)](#)
- [Building Generative AI Skills for Developers \(Newly Released\)](#)

### ChatGPT & GPT

- [Building a Personalised Chatbot with OpenAI and LangChain \(Coming Soon\)](#)
- [Building a Project with the ChatGPT API](#)
- [Building Apps with AI Tools: ChatGPT, Semantic Kernel, and Langchain](#)
- [Building ChatGPT Plugins: How They Work and How to Use Them](#)
- [Building PHP Applications with Generative AI \(Coming Soon\)](#)
- [Controlling ChatGPT with Custom Instructions or API System Messages](#)
- [Getting Hands-on with GPT-4: Tips and Tricks](#)
- [GPT-4 Foundations: Building AI-Powered Apps](#)



# AI Upskilling Framework Content Mapping

## Level 03: Building

**Audience:** For power users and developers building AI-powered applications and solutions. Includes low-code methodologies and hands-on practice with APIs.

### Developers & Generative AI *(continued)*

#### ChatGPT & GPT

- [Improving Insights with OpenAI's Advanced Data Analysis](#)

#### Learning Paths

- [Getting Started with Custom GPTs](#) (Newly Released)

#### Google and Google Gemini

- [Build an Image Captioning Tool for Visually Impaired Users with Gemini](#) (Coming Soon)
- [Building a React Project with Google Bard and the PaLM2 API](#)
- [Building a Video Transcriber with Node.js and Google AI Speech-To-Text API](#)
- [Building with Google Gemini Advanced and Ultra](#) (Newly Released)
- [Exploring Million-Token Models with Google Gemini Pro 1.5](#) (Newly Released)
- [Getting Started with Google's Gemini API](#) (Coming Soon)
- [Google Gemini for Developers](#) (Coming Soon)
- [Introduction to Google Gemini](#) (Newly Released)

#### LangChain

- [Hands-On Generative AI with Multi-Agent LangChain: Building Real-World Applications](#) (Newly Released)
- [Introduction to AI Orchestration with LangChain and LlamaIndex](#) (Newly Released)

### Developers & Generative AI *(continued)*

#### OpenAI API

- [Build a JavaScript AI App with React and the OpenAI API](#)
- [Building a Video Transcriber with Node.js and OpenAI API](#) (Newly Released)
- [Hands-On OpenAI API: Building a Real-World Solution](#) (Newly Released)
- [OpenAI API for Python Developers](#) (Newly Released)
- [OpenAI API: Building Assistants](#)
- [OpenAI API: Code Interpreter and Advanced Data Analysis](#) (Newly Released)
- [OpenAI API: Embeddings](#) (Newly Released)
- [OpenAI API: Fine-Tuning](#) (Newly Released)
- [OpenAI API: Function Calling](#)
- [OpenAI API: Image Generation with DALL-E](#) (Newly Released)
- [OpenAI API: Introduction](#) (Newly Released)
- [OpenAI API: Moderation](#) (Newly Released)
- [OpenAI API: Speech](#) (Newly Released)
- [OpenAI API: Vision](#) (Newly Released)
- [OpenAI API: Working with Files](#) (Newly Released)

#### Learning Paths

- [Develop Your Skills with the OpenAI API](#) (Newly Released)
- [Hands-On Projects for OpenAI-Powered Apps](#) (Newly Released)



# AI Upskilling Framework Content Mapping

## Level 03: Building

**Audience:** For power users and developers building AI-powered applications and solutions. Includes low-code methodologies and hands-on practice with APIs.

### Developers & ML/AI

- [Data Labeling for Machine Learning](#)
- [Data-Centric AI: Best Practices, Responsible AI, and More \(Newly Released\)](#)
- [Executive Guide to Human-in-the-Loop Machine Learning and Data Annotation](#)
- [Hands-On Data Annotation: Applied Machine Learning](#)
- [Programming Foundations: Algorithms \(Newly Released\)](#)
- [Fine-Tune Your LLMs \(Coming Soon\)](#)

### Python

- [Advanced Python Projects: Build AI Applications \(Coming Soon\)](#)
- [AI Projects with Python, TensorFlow, and NLTK \(Newly Released\)](#)
- [Natural Language Generation with Python \(Newly Released\)](#)
- [SQL Server Machine Learning Services: Python](#)

### KNIME

- [Introduction to Machine Learning with KNIME](#)
- [Machine Learning and AI Foundations: Advanced Decision Trees with KNIME](#)
- [Machine Learning and AI Foundations: Decision Trees with KNIME](#)

### Learning Paths

- [Learning Codeless Machine Learning with KNIME](#)

### Developers & ML/AI *(continued)*

#### Other Software Applications

- [AI Show: Meta Llama 2 Foundational Model with Prompt Flow \(Newly Released\)](#)
- [Building Skills with Semantic Kernel](#)
- [Computer Vision on the Raspberry Pi 4](#)
- [Getting Started with Claude 3 \(Newly Released\)](#)
- [Hands-On AI: RAG using LlamaIndex](#)
- [Learning to Build Alexa Skills \(Newly Released\)](#)
- [LLaMa for Developers \(Coming Soon\)](#)
- [Machine Learning Foundations: Prototyping on the Edge](#)
- [Redis + AI: Building a Vector Database with Redis \(Coming Soon\)](#)
- [Time Series Modeling in Excel, R, and Power BI](#)





# AI Upskilling Framework Content Mapping

## Level 04: Training and Maintaining Models

**Audience:** For engineers implementing AI/Machine Learning. Includes technical applications of AI and ML models, deep learning, and fine-tuning models.

### Advanced AI

- [Advanced AI: Transformers for Computer Vision](#)
- [Advanced Machine Learning .NET Applications](#)
- [AI Text Summarization with Hugging Face](#)
- [Build GANs and Diffusion Models with TensorFlow and PyTorch](#)
- [Learning H2O.ai](#)
- [Learning JAX](#)
- [LLM Foundations: Vector Databases for Caching and Retrieval Augmented Generation \(RAG\) \(Newly Released\)](#)
- [Machine Learning and AI: Advanced Decision Trees with SPSS \(Newly Released\)](#)

### Computer Vision

- [Advanced AI: Transformers for Computer Vision](#)
- [Building Computer Vision Applications with Python](#)
- [OpenCV for Python Developers](#)

### AI/ML

- [Executive Guide to Predictive Modeling Strategy at Scale \(Newly Released\)](#)
- [Generative NLP with Variational AutoEncoders \(Coming Soon\)](#)
- [Recommendation Systems: A Practical Introduction \(Newly Released\)](#)
- [Recurrent Neural Networks](#)
- [Reinforcement Learning Foundations \(Newly Released\)](#)
- [Self-Supervised Machine Learning](#)
- [Supervised Learning Essential Training](#)

#### Learning Paths

- [Advance Your Skills in AI and Machine Learning \(Newly Released\)](#)
- [Getting Started with AI and Machine Learning \(Newly Released\)](#)

### Deep Learning

- [Building Blocks for Deep Learning in the Wolfram Language \(Newly Released\)](#)
- [Building Deep Learning Applications with Keras \(Newly Released\)](#)
- [Deep Learning Foundations: Natural Language Processing with TensorFlow](#)
- [Deep Learning with Python and Keras: Build a Model For Sentiment Analysis \(Newly Released\)](#)
- [Deep Learning: Getting Started \(Newly Released\)](#)
- [Deep Learning: Model Optimization and Tuning](#)
- [Full-Stack Deep Learning with Python \(Newly Released\)](#)



## Level 04: Training and Maintaining Models

**Audience:** For engineers implementing AI/Machine Learning. Includes technical applications of AI and ML models, deep learning, and fine-tuning models.

### Foundation Machine Learning

- [Applied Machine Learning: Algorithms \(Newly Released\)](#)
- [Applied Machine Learning: Ensemble Learning](#)
- [Applied Machine Learning: Feature Engineering \(Newly Released\)](#)
- [Artificial Intelligence Foundations: Machine Learning](#)
- [Artificial Intelligence Foundations: Neural Networks](#)
- [LinkedIn AI Academy AI-100: 2 Supervised Learning with Neural Networks](#)
- [Machine Learning & AI Foundations: Linear Regression](#)
- [Machine Learning and AI Foundations: Causal Inference and Modeling](#)
- [Machine Learning and AI Foundations: Classification Modeling \(Newly Released\)](#)
- [Machine Learning and AI Foundations: Clustering and Association \(Newly Released\)](#)
- [Machine Learning and AI Foundations: Decision Trees with SPSS \(Newly Released\)](#)
- [Machine Learning and AI Foundations: Prediction, Causation, and Statistical Inference](#)
- [Machine Learning and AI Foundations: Producing Explainable AI \(XAI\) and Interpretable Machine Learning Solutions](#)
- [Machine Learning Foundations: Calculus](#)
- [Machine Learning Foundations: Linear Algebra](#)
- [Machine Learning Foundations: Probability](#)
- [Machine Learning Foundations: Statistics](#)
- [Machine Learning with Logistic Regression in Excel, R, and Power BI](#)
- [Machine Learning with Python: Association Rules](#)
- [Machine Learning with Python: Decision Trees](#)
- [Machine Learning with Python: Foundations \(Newly Released\)](#)
- [Machine Learning with Python: k-Means Clustering](#)

### Foundation Machine Learning *(continued)*

- [Machine Learning with Python: Logistic Regression](#)
- [Python for Data Science and Machine Learning Essential Training Part 1 \(Newly Released\)](#)

#### Learning Paths

- [Advance Your Skills as a Machine Learning Specialist](#)
- [Develop Your Skills for Machine Learning with Python \(Newly Release\)](#)
- [Foundational Math for Machine Learning \(Newly Released\)](#)
- [Fundamentals to Become a Machine Learning Engineer \(Newly Released\)](#)
- [LinkedIn's AI Academy](#)

### Hands-on Application

- [AI Workshop: Build a Neural Network with PyTorch Lightning](#)
- [AI Workshop: Hands-on with GANs Using Dense Neural Networks](#)
- [AI Workshop: Hands-on with GANs with Deep Convolutional Networks \(Newly Released\)](#)
- [AI Workshop: Text-to-Image Generation \(Coming Soon\)](#)
- [Applied AI Auditing in Python \(Coming Soon\)](#)
- [Applied AI: Getting Started with Hugging Face Transformers](#)
- [Hands-On Generative AI: Applying Your Tabular Data With ChatGPT, GPT-4, and LangChain](#)
- [Hands-On PyTorch Machine Learning](#)

#### Learning Paths

- [Hands-On Projects for OpenAI-Powered Apps \(Newly Released\)](#)



# AI Upskilling Framework Content Mapping

## Level 04: Training and Maintaining Models

**Audience:** For engineers implementing AI/Machine Learning. Includes technical applications of AI and ML models, deep learning, and fine-tuning models.

### ML Libraries

- [Hands-On PyTorch Machine Learning](#)
- [NumPy Essential Training: 1 Foundations of NumPy](#)
- [NumPy Essential Training: 2 Matplotlib and Linear Algebra Capabilities](#)
- [PyTorch Essential Training: Deep Learning \(Coming Soon\)](#)
- [TensorFlow 2: Working with Neural Networks](#)
- [TensorFlow 2.0: Working with Images](#)

### Natural Language Processing

- [Advanced AI: NLP Techniques for Clinical Datasets](#)
- [Applied AI: Building NLP Apps with Hugging Face Transformers](#)
- [Building NLP Pipelines with spaCy](#)
- [Hands-On Natural Language Processing](#)
- [Introduction to NLP Using R](#)
- [Large Language Models: Text Classification for NLP using BERT](#)
- [LLM Foundations: 2 Logic Flow \(Coming Soon\)](#)
- [Natural Language Processing with PyTorch](#)
- [NLP with Quanteda R](#)
- [NLP with Tidytext R](#)
- [TensorFlow: Working with NLP](#)

#### Learning Paths

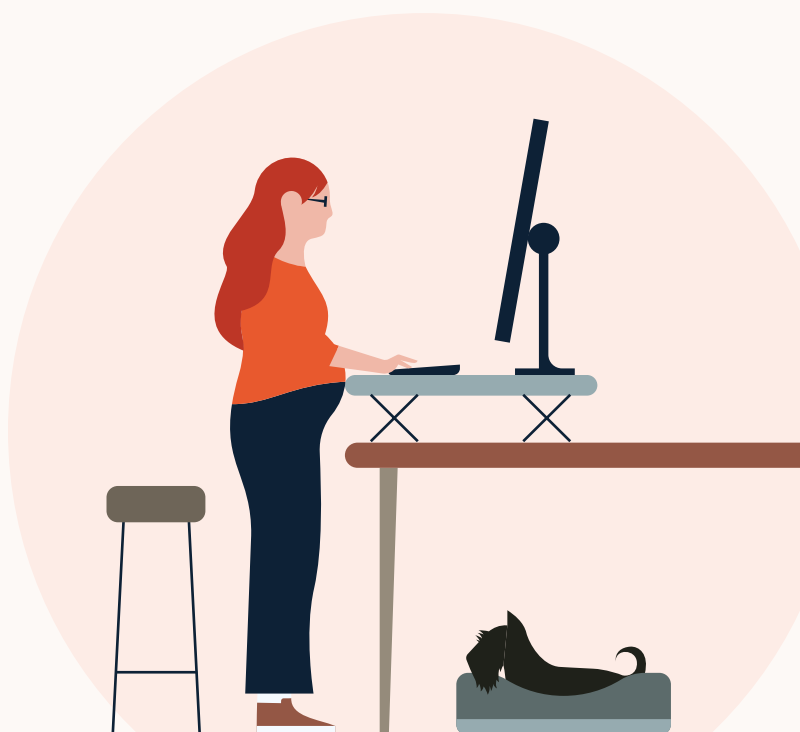
- [Advance Your Skills in Natural Language Processing \(Newly Released\)](#)
- [Develop Your Skills with Large Language Models \(Newly Released\)](#)

### Neural Networks

- [AI Workshop: Build a Neural Network with PyTorch Lightning](#)
- [AI Workshop: Hands-on with GANs Using Dense Neural Networks](#)
- [AI Workshop: Hands-on with GANs with Deep Convolutional Networks \(Newly Released\)](#)
- [Introduction to Attention-Based Neural Networks](#)
- [Training Neural Networks in C++](#)
- [Training Neural Networks in Python](#)

#### Learning Paths

- [Advance Your Skills in Deep Learning and Neural Networks \(Newly Released\)](#)





# AI Upskilling Framework Content Mapping

## Level 04: Training and Maintaining Models

**Audience:** For engineers implementing AI/Machine Learning. Includes technical applications of AI and ML models, deep learning, and fine-tuning models.

### Additional AI Skills

- [Automated ML.NET Training, Metrics, and Accuracy \(Coming Soon\)](#)
- [AutoML: Build Production-Ready Models Quickly!](#)
- [Built-in Machine Learning in the Wolfram Language \(Newly Released\)](#)
- [Developing with Nondeterministic APIs \(Newly Released\)](#)
- [Edge AI: Tools and Best Practices for Building AI Applications at the Edge \(Newly Released\)](#)
- [Learning TinyML: A Hands-On Course](#)
- [Machine Learning with ML.NET](#)
- [ML.NET: Getting Started](#)

### Interviews with AI Experts

- [AI Show: Applied AI - Computer Vision and Optical Character Recognition \(OCR\)](#)
- [AI Show: Building Recommender Systems](#)
- [AI Show: Easier, Faster Training for your Hugging Face Models](#)
- [AI Show: Intelligent Recommendations](#)
- [AI Show: Next-Generation Computer Vision Capabilities with Project Florence](#)
- [AI Show: Responsible AI Mitigations and Tracker](#)





# AI Upskilling Framework Content Mapping

## Level 05: Deeply Specializing

**Audience:** For tech specialists and R&D roles. Includes DevOps, ML researchers, cybersecurity and data scientists.

### Amazon AWS

- [AWS DeepRacer: Building a Reinforcement Learning Model](#)
- [AWS Machine Learning: Building an Expense Tracker Using Amazon Textract](#)
- [Building Applications Using Amazon Bedrock](#) (Newly Released)
- [Building Intelligent Chatbots on AWS](#)
- [Building Serverless Apps with AI Services on AWS](#) (Coming Soon)
- [Delivering Data-Driven Decisions with AWS: Applying Machine Learning, Data Engineering, and Generative AI](#) (Newly Released)
- [Ethical Hacking: Cloud Computing](#)
- [Introduction to AWS AI Services for Developers](#) (Coming Soon)
- [Learning Amazon Bedrock](#) (Newly Released)
- [Secure Generative AI with Amazon Bedrock](#) (Coming Soon)

### Amazon AWS / Certification

- [AWS Certified Machine Learning - Specialty \(MLS-C01\) Cert Prep: 2 Exploratory Data Analysis](#)
- [AWS Certified Machine Learning - Specialty \(MLS-C01\) Cert Prep: 3 Modeling](#)
- [AWS Certified Machine Learning - Specialty \(MLS-C01\) Cert Prep: 4 Machine Learning Implementation and Operations](#)

#### Learning Path

- [Prepare for the AWS Certified Machine Learning - Specialty \(MLS-C01\) Exam](#)

### Cloud

- [GenAI and Predictive AI with Cloud Computing: Core Concepts](#) (Newly Released)
- [Generative AI in Cloud Computing: Core Concepts](#)

### Data Scientists

- [AI and Data Science for SQL Developers: From Beginner to Advanced](#) (Newly Released)
- [Computer Vision for Data Scientists](#)

### DevOps & AI

- [AI Techniques for Networking](#) (Coming Soon)
- [Executive Guide to Deploying, Monitoring, and Maintaining Models](#) (Newly Released)
- [Exploring AIOps](#)
- [Generative AI and LLMOps: Building Blocks and Applications](#) (Newly Released)
- [Learning Vertex AI: MLOps with Google Cloud](#)
- [MLOps Essentials: Model Deployment and Monitoring](#)
- [MLOps Essentials: Model Development and Integration](#)
- [MLOps Essentials: Monitoring Model Drift and Bias](#)



# AI Upskilling Framework Content Mapping

## Level 05: Deeply Specializing

**Audience:** For tech specialists and R&D roles. Includes DevOps, ML researchers, cybersecurity and data scientists.

### Google Cloud Certification

- [Google Cloud Digital Cloud Leader Cert Prep: 3 Innovating with Google Cloud Artificial Intelligence \(Newly Released\)](#)
- [Google Cloud Platform for Machine Learning Essential Training \(Newly Released\)](#)
- [Google Cloud Professional Machine Learning Engineer Cert Prep: 1 Framing ML Problems](#)
- [Google Cloud Professional Machine Learning Engineer Cert Prep: 2 Architecting ML Solution](#)
- [Google Cloud Professional Machine Learning Engineer Cert Prep: 3 Designing Data Preparation and Processing Systems](#)
- [Google Cloud Professional Machine Learning Engineer Cert Prep: 4 Developing ML Models](#)
- [Google Cloud Professional Machine Learning Engineer Cert Prep: 5 Automating and Orchestrating ML Pipelines](#)
- [Google Cloud Professional Machine Learning Engineer Cert Prep: 6 Monitoring, Optimizing, and Maintaining ML Solutions](#)

#### Learning Paths

- [Develop Your AI Skills with Google Gemini and Google Cloud Platform \(Newly Released\)](#)
- [Prepare for the Google Cloud Professional Machine Learning Engineer Certification](#)

### Microsoft Azure

- [Apply Ethical AI Principles Using the Responsible AI Dashboard](#)
- [Azure AI Engineering: Advanced Features with Azure AI and Azure OpenAI Services \(Coming Soon\)](#)
- [Azure AI Engineering: Building AI Solutions \(Coming Soon\)](#)
- [Azure AI Engineering: Fundamentals \(Coming Soon\)](#)
- [Azure AI Studio First Look](#)
- [Azure AI Tips for Developers: Securing Your Data](#)
- [Azure AI: The Big Picture](#)
- [Azure Machine Learning Development: Part 1](#)
- [Azure Machine Learning Development: Part 2](#)
- [Azure OpenAI in .NET \(Newly Released\)](#)
- [Azure OpenAI: Generative AI Models and How to Use Them](#)
- [Developing Chatbots with Azure](#)
- [Essentials of MLOps with Azure: 1 Introduction](#)
- [Essentials of MLOps with Azure: 2 Databricks MLflow and MLflow Tracking](#)
- [Essentials of MLOps with Azure: 3 Spark MLflow Projects on Databricks](#)
- [Essentials of MLOps with Azure: 4 Spark MLflow Models and Model Registry](#)
- [Microsoft Azure Data Scientist Associate \(DP-100\) Cert Prep: 1 Manage Azure Resources for Machine Learning](#)
- [Microsoft Azure Data Scientist Associate \(DP-100\) Cert Prep: 2 Run Experiments and Train Models](#)
- [Microsoft Azure Data Scientist Associate \(DP-100\) Cert Prep: 3 Deploy and Operationalize Machine Learning Solutions](#)
- [Microsoft Azure Machine Learning Fundamentals](#)





# AI Upskilling Framework Content Mapping

## Level 05: Deeply Specializing

**Audience:** For tech specialists and R&D roles. Includes DevOps, ML researchers, cybersecurity and data scientists.

### Microsoft Azure Certification

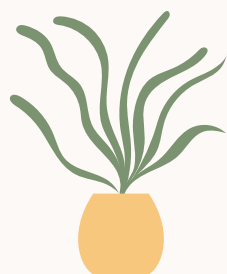
- Azure AI Engineer Associate (AI-102): Implement Content Moderation Solutions ([Coming Soon](#))
- [Azure AI Engineer Associate \(AI-102\) Cert Prep: Implement Computer Vision Solutions](#) ([Newly Released](#))
- Azure AI Engineer Associate (AI-102) Cert Prep: Implement Generative AI Solutions ([Coming Soon](#))
- [Azure AI Engineer Associate \(AI-102\) Cert Prep: Implement Knowledge Mining Solutions and Document Intelligence Solutions](#) ([Newly Released](#))
- [Azure AI Engineer Associate \(AI-102\) Cert Prep: Implement Natural Language Processing Solutions](#) ([Newly Released](#))
- [Azure AI Engineer Associate \(AI-102\) Cert Prep: Plan and Manage an Azure AI Solution](#)
- [Azure AI Fundamentals \(AI-900\) Cert Prep: 1 Conversational AI on Azure](#)
- [Azure AI Fundamentals \(AI-900\) Cert Prep: 2 Principles of Machine Learning on Azure](#)
- [Azure AI Fundamentals \(AI-900\) Cert Prep: 3 Computer Vision Workloads on Azure](#)
- [Azure AI Fundamentals \(AI-900\) Cert Prep: 4 Natural Language Processing \(NLP\) Workloads on Azure](#)

### Learning Paths

- [Prepare for the Microsoft Azure AI Fundamentals \(AI-900\) Certification](#)

### Security

- AI in Cybersecurity: The Future of Red Teaming and Blue Teaming ([Coming Soon](#))
- [Artificial Intelligence for Cybersecurity](#)
- Generative AI for Cyber Range and Training ([Coming Soon](#))
- Generative AI for Network Security ([Coming Soon](#))
- [Introduction to MLSecOps](#) ([Newly Released](#))
- [Leveraging AI for Governance, Risk, and Compliance](#) ([Newly Released](#))
- [Leveraging AI for Security Testing](#) ([Newly Released](#))
- [Leveraging ChatGPT for Smarter Cybersecurity](#)
- Microsoft Copilot for Security ([Coming Soon](#))
- [Mitigating Prompt Injection and Prompt Hacking](#)
- [Securing the Use of Generative AI in Your Organization](#)
- [Security Risks in AI and Machine Learning: Categorizing Attacks and Failure Modes](#)
- [The OWASP Top 10 for Large Language Model \(LLM\) Applications: An Overview](#) ([Newly Released](#))
- Threat Modeling for AI/ML Systems ([Coming Soon](#))





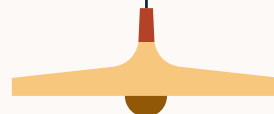
# AI Upskilling Framework Content Mapping

## Level 05: Deeply Specializing

**Audience:** For tech specialists and R&D roles. Includes DevOps, ML researchers, cybersecurity and data scientists.

### Interview with AI Experts

- [AI Show: Audio Analytics with Azure Automated ML](#)
- [AI Show: Azure OpenAI in AI Builder \(Newly Released\)](#)
- [AI Show: Azure OpenAI Solutions with TTS Avatar \(Newly Released\)](#)
- [AI Show: AzureML Registries - Enabling Better Collaboration and MLOps](#)
- [AI Show: Building NLP models with Azure ML AutoML](#)
- [AI Show: Deep Dive into Responsible AI Dashboard and Scorecard](#)
- [AI Show: Federated Learning with Azure Machine Learning](#)
- [AI Show: How to Draw Anything with Azure AI and Stable Diffusion](#)
- [AI Show: Medical Imaging with Azure Machine Learning](#)
- [AI Show: MLOps \(v2\) - Unifying MLOps at Microsoft](#)
- [AI Show: Scaling Your AI/ML Practices with MLOps and Azure Machine Learning \(Newly Released\)](#)
- [AI Show: The Basics of Prompt Engineering with Azure OpenAI Service](#)
- [AI Show: The Latest from Azure Form Recognizer](#)
- [AI Show: Using R in Azure Machine Learning](#)





# AI Upskilling Framework Content Mapping

## Spanish Library

El mapeo de contenido del AI Upskilling Framework de LinkedIn Learning capacita y facilita a las organizaciones la mejora de las competencias de los empleados en todas sus empresas en función de sus necesidades funcionales y de competencias.

Con más de 800 cursos desarrollados por expertos en siete idiomas y traducciones disponibles en 24 idiomas, además de contenido

práctica y evaluación de habilidades, la oferta de contenido de aprendizaje sobre IA de LinkedIn Learning puede ayudar a desarrollar habilidades críticas en IA e IA generativa.

**Nuestro mapeo de contenido es inclusivo, está diseñado para todos los roles y explora una amplia gama de temas. Utilice la tabla de contenido para explorarlo.**

### Nivel 01: Comprensión, Fluidez, Contextualización

- [Ética en la era de la inteligencia artificial generativa](#)
- [Fundamentos de inteligencia artificial: Máquinas pensantes](#)
- [Fundamentos de la inteligencia artificial generativa](#)
- [Inteligencia artificial con un café](#)
- [Inteligencia artificial generativa para impulsar la solución creativa de problemas](#) (Coming Soon)
- [Inteligencia artificial generativa: la evolución de la búsqueda inteligente en Internet](#)
- [Inteligencia artificial más allá de la ingeniería](#)
- [Inteligencia artificial: Ciencias e hitos que han construido el futuro](#) (Coming Soon)
- [Introducción a la IA y la sostenibilidad](#) (Coming Soon)
- [Introducción a la imagen generativa con Inteligencia artificial](#)
- [Introducción a la Ley de Inteligencia Artificial de la Unión Europea](#)
- [Machine learning con un café](#)
- [Problemáticas sociales, desafíos éticos y sesgos de la inteligencia artificial generativa](#) (Coming Soon)
- [Qué es la IA generativa](#)

### Nivel 02: Uso: Prompting, Productividad, Estrategia

- [Agiliza tu trabajo con el chat de Microsoft Copilot](#) (Coming Soon)
- [Aprende Adobe Express](#) (Newly Released)
- [Aprende Microsoft AI Builder](#) (Newly Released)
- [Aumenta tu productividad con Microsoft Bing Chat](#)
- [Cómo la tecnología impulsa la sostenibilidad](#)
- [Cómo obtener valor con machine learning en tu empresa](#)
- [Copilot en PowerPoint: crea presentaciones impactantes con inteligencia artificial](#) (Coming Soon)
- [Copywriting impulsado por inteligencia artificial generativa](#)
- [Descubre Copilot para Microsoft Power Platform](#) (Newly Released)
- [Descubre Microsoft 365 Copilot](#) (Newly Released)
- [Descubre Windows Copilot](#)
- [Excel y Copilot: Análisis de datos asistido por IA](#) (Coming Soon)
- [Fundamentos de diseño industrial: Diseño generativo](#)
- [GitHub Copilot esencial](#) (Coming Soon)
- [Inteligencia artificial generativa para profesionales creativos: Oportunidades, retos y ética](#) (Newly Released)
- [Inteligencia artificial para recursos humanos](#) (Newly Released)
- [Introducción a ChatGPT](#) (Newly Released)
- [Prompt Engineering: Aprende a hablar con una inteligencia artificial generativa](#) (Newly Released)



# AI Upskilling Framework Content Mapping

## Spanish Library

### Nivel 02: Uso: Prompting, Productividad, Estrategia *(continued)*

- Prompts para IA: Plantillas para email corporativos *(Coming Soon)*
- Recomendaciones de Microsoft para implementar IA en los negocios *(Newly Released)*
- Restauración de imágenes con inteligencia artificial
- Revit: Diseño generativo sostenible
- Transformación digital: aspectos clave de la inteligencia artificial para líderes *(Newly Released)*
- Trucos de productividad con IA para reimaginar tu jornada laboral y tu carrera profesional *(Newly Released)*

### Nivel 03: Desarrollo

- Desarrollar aplicaciones basadas en LLMs con LanChain, Semantic Kernel y Prompt Flow *(Coming Soon)*
- OpenAI para desarrollo esencial

### Nivel 04: Entrenamiento y Mantenimiento de Modelos

- Domina Python: Scikit-learn *(Newly Released)*

### Nivel 05: Especialización en profundidad

- Azure OpenAI: Aprende a usar los modelos de IA generativa *(Coming Soon)*
- Fundamentos de Microsoft Azure AI (AI-900) *(Newly Released)*
- Microsoft Azure AI: diseño e implementación de soluciones (AI-102) *(Newly Released)*





# AI Upskilling Framework Content Mapping

## Portuguese Library

O mapeamento de conteúdo do AI Upskilling Framework do LinkedIn Learning capacita e facilita para as organizações aprimorarem as habilidades de seus funcionários em toda empresa, com base em cada função e competência necessária.

Com mais de 800 cursos desenvolvidos por especialistas em sete idiomas, traduções disponíveis em 24 idiomas, além de exercícios

práticos e avaliação de habilidades, a oferta de conteúdo de aprendizagem de IA do LinkedIn Learning pode ajudar a desenvolver as competências essenciais de IA/Geração AI.

Nosso mapeamento de conteúdo é inclusivo, projetado para todas as funções e explora uma ampla gama de tópicos. Use o índice para navegar.

### Nível 01: Entendimento, Fluência e Percepção

- [Descubra a Inteligência Artificial Generativa](#)
- [Ética na Era da Inteligência Artificial Generativa](#)
- [IA Generativa para Profissionais Criativos: Oportunidades, Desafios e Ética \(Coming Soon\)](#)
- [IA Generativa: A Evolução da Busca Online Inteligente](#)
- [Inteligência Artificial para Negócios em Dez Minutos](#)
- [Inteligência Artificial: Noções e Curiosidades Além da Engenharia](#)
- [Introdução à Inteligência Artificial](#)
- [Microsoft Excel com Copilot: Análise de Dados Orientada por IA \(Coming Soon\)](#)
- [Otimize a sua Marca Pessoal com Inteligência Artificial \(Coming Soon\)](#)
- [Otimize seu Trabalho com o Microsoft Copilot \(antigo Bing Chat\)](#)
- [Prompt Engineering: Aprenda a Conversar com uma IA Generativa \(Coming Soon\)](#)
- [Quarta Revolução Industrial: Inteligência Artificial e Aprendizado de Máquina](#)

### Nível 02: Aplicação, Prompting, Produtividade, Estratégia

- [Big Data e Inteligência Artificial: O Poder dos Dados](#)
- [Como Usar o Aprendizado de Máquina para Agregar Valor à sua Empresa](#)

### Nível 02: Aplicação, Prompting, Produtividade, Estratégia (continued)

- [IA Generativa: Oportunidades e Considerações para Líderes Empresariais \(Newly Released\)](#)
- [Inteligência Artificial: Desafios e Oportunidades para Líderes \(Coming Soon\)](#)
- [Introdução à Inteligência Artificial e Sustentabilidade \(Coming Soon\)](#)

### Nível 03: Desenvolvimento

- [Descubra a IA Conversacional \(Newly Released\)](#)
- [Fundamentos da Inteligência Artificial Generativa \(Newly Released\)](#)
- [Fundamentos da Inteligência Artificial: Aprendizado de Máquina](#)
- [Tecnologia ao seu Alcance: Ética na Inteligência Artificial](#)

### Nível 04: Treinamento e Manutenção de Modelos

- [Azure Open AI: Formação Básica \(Coming Soon\)](#)

Nenhum curso de nível 05 no momento



# AI Upskilling Framework Content Mapping

## French Library

La cartographie du contenu du cadre d'amélioration des compétences IA de LinkedIn Learning permet aux organisations de perfectionner facilement les compétences de leurs employés en fonction de leurs fonctions et de leurs besoins en compétences.

Avec plus de 800 cours développés par des experts et expertes dans sept langues et des traductions disponibles dans 24 langues, ainsi que des exercices pratiques et des moyens de démontrer les

compétences, l'offre de contenu d'apprentissage en IA de LinkedIn Learning peut aider à développer des compétences essentielles en IA et IA générative.

Notre cartographie de contenu est inclusive, conçue pour toutes les fonctions, et explore un large éventail de sujets. Utilisez la table des matières pour naviguer.

### Niveau 01 : Compréhension, fluidité, sensibilisation

- [10 minutes, un livre : Intelligence Artificielle, quel futur pour les humains ?](#)
- Comprendre et appliquer les principes éthiques de l'IA générative ([Coming Soon](#))
- [Comprendre l'impact des vidéos deep fake](#)
- [Découvrir l'IA générative](#)
- [L'éthique à l'ère de l'IA générative](#)
- [L'IA générative : Les bonnes pratiques de la recherche en ligne](#)
- [L'intelligence artificielle dans le secteur de la banque et de l'assurance](#)
- [L'intelligence artificielle et le RGPD](#)
- [L'intelligence artificielle et les organisations en 10 minutes](#)
- [Les fondements de l'intelligence artificielle](#)

### Niveau 02 : Application, Prompts, productivité, stratégie

- [10 astuces nano pour augmenter votre productivité avec ChatGPT](#) ([Newly Released](#))
- [Apprendre SQL avec ChatGPT](#)
- [ChatGPT : Apprendre à développer en Python](#)
- [Copilot dans PowerPoint : du prompt à la présentation](#) ([Newly Released](#))
- [Créer des images avec l'IA Midjourney](#) ([Newly Released](#))
- [Découvrir Microsoft 365 Copilot](#) ([Coming Soon](#))

### Niveau 02 : Application, Prompts, productivité, stratégie (*continued*)

- Découvrir Power BI avec ChatGPT ([Coming Soon](#))
- Excel avec Copilot: L'analyse de données avec l'IA ([Coming Soon](#))
- [Générer des contenus grâce à l'intelligence artificielle](#) ([Newly Released](#))
- [IA générative et création de contenus : opportunités, risques et éthique](#) ([Newly Released](#))
- [Introduction à Microsoft Copilot](#) ([Newly Released](#))
- [L'analyse de données avec l'IA générative](#) ([Newly Released](#))
- [L'essentiel d'Adobe Firefly](#) ([Newly Released](#))
- L'IA générative pour la création vidéo ([Coming Soon](#))
- L'intelligence artificielle (IA) générative pour les dirigeants ([Coming Soon](#))
- [L'intelligence artificielle pour les chefs / cheffes de projet](#)
- [L'intelligence artificielle pour les commerciaux](#) ([Newly Released](#))
- [L'intelligence artificielle pour les leaders et les managers](#)
- [L'intelligence artificielle pour les ressources humaines](#)
- [Le déploiement de l'IA générative dans les organisations](#) ([Newly Released](#))
- [Les prompts engineering avancés](#) ([Newly Released](#))
- [Mettre en place un chatbot de relation client avec Power Virtual Agent](#)
- [Power BI : Intégrer l'IA et le machine learning](#) ([Newly Released](#))
- Power BI : Utiliser ChatGPT et Copilot ([Coming Soon](#))
- [Prompt engineering pour la génération de contenu avec l'IA](#)



# AI Upskilling Framework Content Mapping

## French Library

### Niveau 02 : Application, Prompts, productivité, stratégie *(continued)*

- Simplifiez votre travail avec Microsoft Copilot ([Coming Soon](#))
- [Simplifiez votre travail avec Microsoft Copilot \(anciennement Bing Chat\)](#) ([Newly Released](#))
- [Utiliser l'IA ChatGPT pour le marketing digital](#) ([Newly Released](#))

### Niveau 03 : Développement

- [ChatGPT : Développer avec le plug-in Advanced Data Analysis](#)
- [GitHub Copilot : Programmer en binôme avec l'IA](#)
- [L'essentiel d'OpenAI et des modèles de langage GPT](#)
- [L'essentiel d'OpenAI et des modèles de langage GPT pour Node.js](#) ([Coming Soon](#))
- [L'essentiel d'OpenAI pour le développement en python](#) ([Coming Soon](#))
- [L'essentiel de KNIME pour le machine learning](#) ([Coming Soon](#))
- [L'essentiel de LangChain pour le développement en JavaScript](#) ([Coming Soon](#))
- [L'essentiel de LangChain pour le développement en Python](#) ([Newly Released](#))

### Niveau 04 : Entraînement et maintien du modèle

- [Dataiku pour le machine learning](#) ([Coming Soon](#))
- [L'essentiel d'OpenCV avec Python pour le deep learning](#)
- [L'essentiel de PyTorch pour le deep learning](#) ([Newly Released](#))
- [L'intelligence artificielle et l'apprentissage par renforcement](#) ([Newly Released](#))
- [Les fondements des réseaux de neurones](#)
- [Scikit-learn pour le machine learning](#)
- [TensorFlow pour le deep learning](#)

### Niveau 05 : Spécialisation approfondie

- [Azure AI : Intelligence artificielle et machine learning](#)
- [L'essentiel de Microsoft Security Copilot](#) ([Coming Soon](#))





# AI Upskilling Framework Content Mapping

## German Library

Mithilfe des AI Upskilling Frameworks stellt LinkedIn Learning eine jederzeit abrufbare Inhaltsübersicht zum Thema Künstliche Intelligenz bereit. Damit können Unternehmen ihre Mitarbeiter basierend auf deren Funktions- und Kompetenzanforderungen weiterqualifizieren.

Mit mehr als 800 von Experten entwickelten Kursen in sieben Sprachen (und der Übersetzung der Kurse in 24 Sprachen) sowie

praktischen Übungen und Möglichkeiten zum Nachweis von Fähigkeiten kann das KI-Lerninhaltsangebot von LinkedIn Learning dabei helfen, wichtige KI-/Generative-KI-Fähigkeiten zu erwerben.

Unsere Inhaltsübersicht ist umfassend, für alle Funktionen konzipiert und deckt ein breites Themenspektrum ab. Nutzen Sie zum Navigieren das Inhaltsverzeichnis.

### Level 01: Verständnis, Geläufigkeit, Bewusstsein

- [Erste Schritte mit Google Gemini](#) (Newly Released)
- [Ethik im Zeitalter generativer KI](#)
- [Ethik in Technologie und KI: Design-Werkzeuge für den Projektalltag](#)
- [Generative KI in 5 Minuten](#)
- [Generative KI: Die Entwicklung einer durchdachten Online-Suche](#)
- [Keine Angst vor KI in der Programmierung](#) (Coming Soon)
- [KI: Sicher, vertrauenswürdig und robust gestalten](#) (Coming Soon)
- [Künstliche Intelligenz \(KI\) – Grundlagen](#) (Coming Soon)
- [Künstliche Intelligenz in 10 Minuten](#)
- [Machine Learning in 10 Minuten](#)
- [Rechtsgrundlagen: KI-Recht](#)
- [Was ist generative KI?](#)

### Level 02: Anwendung, Prompting, Produktivität, Strategie

- [Adobe Firefly: Ein erster Blick](#)
- [Chatbots, Conversational AI und GenAI - Grundlagen](#) (Newly Released)
- [ChatGPT für Administrator:innen](#)
- [ChatGPT Grundkurs](#)
- [Content Creation mit KI: Bilder und Grafiken generieren auf Knopfdruck](#)

### Level 02: Anwendung, Prompting, Produktivität, Strategie (continued)

- [Conversation Design: Tipps, Tricks, Techniken](#)
- [Copilot in Excel: KI-unterstützte Datenanalyse](#) (Coming Soon)
- [Copilot in PowerPoint: Vom Prompt zur Präsentation](#) (Coming Soon)
- [Copilot in Word: Mit KI Texte erstellen, bearbeiten und zusammenfassen](#) (Coming Soon)
- [Die Zukunft der Fotografie im Zeitalter von KI](#) (Newly Released)
- [Erste Schritte mit ChatGPT](#)
- [Erste Schritte mit DALL-E](#) (Newly Released)
- [Excel: Probleme lösen mit ChatGPT](#)
- [Firefly Grundkurs](#)
- [Generative KI für Führungskräfte](#)
- [Generative KI im Kundenservice](#) (Coming Soon)
- [Github Copilot Grundkurs](#) (Newly Released)
- [Grundlagen des E-Commerce: Einkaufen mit Sprachsteuerung](#)
- [Ihre Arbeit optimieren mit Microsoft Copilot](#) (Newly Released)
- [Ihre Arbeit optimieren mit Microsoft Copilot \(früher Bing Chat\)](#)
- [KI-Funktionen für die Videobearbeitung](#)
- [KI-Produktivitätsbooster für Arbeit und Karriere](#) (Newly Released)
- [KI-Projekte planen und starten](#) (Newly Released)
- [KI-Prompting für Content Creation](#)
- [KI-Tools in der Fotografie](#) (Newly Released)
- [KI-unterstütztes Programmieren mit Github Copilot](#)



# AI Upskilling Framework Content Mapping

## German Library

### Level 02: Anwendung, Prompting, Produktivität, Strategie

- [KI-unterstütztes Programmieren mit OpenAI und ChatGPT \(Newly Released\)](#)
- [Künstliche Intelligenz – Grundwissen für Führungskräfte](#)
- [Machine Learning in der Praxis: Marketing](#)
- [Microsoft 365 Copilot kennenlernen](#)
- [Microsoft 365 Copilot: Anwendungsfälle \(Coming Soon\)](#)
- [Microsoft Designer: Ein erster Blick \(Newly Released\)](#)
- [Midjourney Grundkurs](#)
- [Photoshop: KI-generierte Bilder optimieren](#)
- [Power BI Desktop für Fortgeschrittene \(Newly Released\)](#)
- [Prompt Engineering – Grundlagen](#)
- [Wie Technologie Nachhaltigkeit vorantreibt](#)

### Level 03: Erstellung

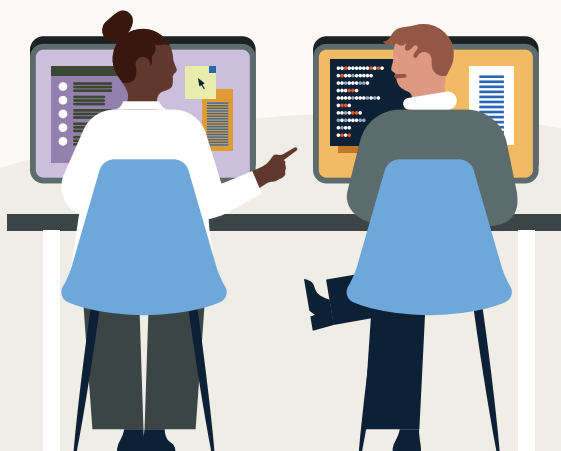
- [Mein eigenes ChatGPT - GPTs, GPT Builder und der GPT Store \(Coming Soon\)](#)
- [Robotik lernen \(Coming Soon\)](#)

### Level 04: Modell-Training & -Pflege

- [Datamining mit Databricks/Spark und Automated Machine Learning in der Cloud](#)
- [KI-Grundlagen: Neuronale Netze](#)
- [Natural Language Processing \(NLP\) mit Python: Werkzeuge und Methoden](#)
- [Python für die Datenanalyse 2: Machine Learning](#)
- [TensorFlow Grundkurs 1: Neuronale Netzwerke, Komponenten, Tensoren](#)
- [TensorFlow Grundkurs 2: Machine-Learning-Projekte mit Python](#)
- [Tensorflow Grundkurs 3: Machine-Learning-Projekte mit JavaScript und Node.js](#)

### Level 05: Tiefe Spezialisierung

- [Azure Digital Twins Grundkurs](#)
- [Azure OpenAI in .NET](#)





# AI Upskilling Framework Content Mapping

## Japanese Library

このLinkedInラーニングのコースマッピング（AI Upskilling Framework On-Demand Mapping）を活用することで、企業や組織全体で職務やスキルのニーズに基づいた従業員のスキルアップを目指すことができます。

LinkedInラーニングのAI学習コンテンツは7言語で独自に制作された800以上のコースに加えて、24言語で翻訳機能を使用

できます。AIや生成AIに関するスキルを習得するために役立つ実践的な演習や、理解度を把握できるチャプタークイズも含まれています。

このコースマッピングはすべての職種向けに作成されており、幅広いトピックを網羅しています。目次やタブを使用して他言語のコースマッピングに移動できます。

### レベル01：理解、知識、関心

- [AI入門](#)
- [AI 基本講座：AIの発展とAI活用人材](#) (Coming Soon)
- [ChatGPTとは](#) (Newly Released)
- [すぐにわかるテクノロジー：AIにおける倫理](#) (Newly Released)
- [ディープラーニングとは](#)
- [生成AI：進化した思考型オンライン検索](#)
- [生成AIとは](#)
- [生成AI時代の倫理](#)
- [第4次産業革命（インダストリー4.0）の基礎](#) (Newly Released)

### レベル02：実践、プロンプティング、生産性、戦略

- [AI 基本講座：ロジカルシンキング](#) (Coming Soon)
- [AI時代のビッグデータ](#)
- [Bing AI チャットで業務を効率化する](#)
- [ChatGPT 入門](#) (Newly Released)
- [ChatGPTで業務を効率化する](#) (Newly Released)
- [Copilot for Microsoft 365 入門](#)
- [Excel：Copilotでデータ分析をする](#) (Coming Soon)
- [GitHub Copilotを使ったAIペアプログラミング](#) (Coming Soon)
- [GitHub Copilotを実践で使う](#) (Newly Released)
- [Microsoft Copilotで業務を効率化する](#) (Coming Soon)
- [Teams：Copilotでチャットや会議を効率化する](#) (Coming Soon)
- [ウィークリー ChatGPT シリーズ](#) (Newly Released)
- [コンテンツ制作のための生成AIスキル：その可能性、問題点、倫理](#) (Coming Soon)
- [プロジェクトマネージャーのための人工知能（AI）](#)
- [プロンプトエンジニアリング基本講座](#) (Newly Released)
- [マーケターのための生成AI活用術](#) (Coming Soon)
- [仕事やキャリアを変えるAI活用術](#)





# AI Upskilling Framework Content Mapping

## Japanese Library

### レベル03：構築

- [ChatGPT APIで作るAIツール](#) (Newly Released)

### レベル04：モデルの訓練と維持

- AI 基本講座：音声認識 (Coming Soon)
- [人工知能（AI）の基礎：機械学習](#)
- [人工知能（AI）の基礎：ニューラルネットワーク](#)

### レベル05：深い専門性

- AI 基本講座：NumPyとMatplotlib (Coming Soon)
- [Azure AI サービスの概要](#)
- [Azure Machine Learning 入門](#) (Newly Released)
- [Microsoft Azure AI Fundamentals（AI-900）試験対策：AIの基本と試験概要](#) (Newly Released)
- [Microsoft Azure AI Fundamentals（AI-900）試験対策：Computer Vision](#) (Newly Released)
- [Microsoft Azure AI Fundamentals（AI-900）試験対策：機械学習の基本原則](#) (Newly Released)
- [Microsoft Azure AI Fundamentals（AI-900）試験対策：自然言語処理（NLP）](#) (Newly Released)





# AI Upskilling Framework Content Mapping

## Mandarin Library

LinkedIn Learning 的人工智能技能提升框架（AI Upskilling Framework）能够按需进行内容映射，使企业和组织能够轻松根据职能和技能需求，帮助各个岗位的员工进行技能提升。

LinkedIn Learning 人工智能（AI）主题学习内容包含超过 800 门课程，跨 7 种语言的专业制作课程，24 种语言的翻译课程。课程还包含实操及其他检验技能掌握情况的方法，可以帮助培养关键的 AI/Gen AI 技能。

我们的内容映射具有包容性，适合各个岗位，涉猎的主题广泛。请使用目录进行导航

### 1级: 理解、掌握与认知

- [第四次工业革命基础知识 \(工业 4.0\)](#)
- [科技在路上: 人工智能与伦理](#)
- [5 分钟了解生成式 AI](#)
- [生成式 AI 时代的科技伦理](#)
- [什么是生成式人工智能 \(Generative AI\)](#)
- [生成式 AI: 智能化在线搜索的发展](#)
- [人工智能 \(AI\) 入门](#)

### 2级: 应用、提示、生产力与战略

- [面向项目经理的人工智能](#)
- [AI 时代的大数据](#)
- [商业领导者的生成式人工智能](#)
- [使用微软 Bing Chat 优化你的日常工作](#)
- [Microsoft 365 Copilot 功能一览](#)
- [GitHub Copilot 实用教程 \(Newly Released\)](#)
- [AI 推进生产力提升: 重塑日常工作和职业 \(Newly Released\)](#)
- [生成式 AI 与创意内容: 机会、问题和伦理 \(Newly Released\)](#)
- [生成式 AI 与创意内容: 机会、问题和伦理 \(Coming Soon\)](#)
- [PowerPoint Copilot: 从提示到演示文稿 \(Coming Soon\)](#)
- [Excel Copilot: AI 驱动数据分析 \(Coming Soon\)](#)
- [使用 Copilot 优化你的工作 \(Coming Soon\)](#)
- [学习生成式人工智能与提示工程 \(Coming Soon\)](#)

### 3级: 构建

(Coming Soon)

### 4级: 模型的训练与维护

- [人工智能基础: 机器学习](#)
- [人工智能基础知识系列: 神经网络](#)

### 5级: 深度专业化

(Coming Soon)

