

GenAI in IT: Copilot, Azure OpenAI & Automation

Learn to use Microsoft Copilot, Azure OpenAI and related tools for data validation, document automation, web app integration and Linux tasks.

2 Days

DURATION

5

MODULES

19

TOPICS

1

HANDS-ON ACTIVITY

COURSE OVERVIEW

This course introduces AI productivity tools including Microsoft Copilot, Azure OpenAI and Google AI Studio, comparing their features, use cases and licensing. It covers using AI for validating and summarising structured and unstructured data, and applying GenAI to automate document creation, code generation, debugging and documentation. It then explains how to integrate Azure OpenAI models into web-based applications through REST APIs or SDKs, including prompt engineering for chatbots and data-driven apps. Finally, it looks at using AI to simplify Linux tasks such as command explanations, script generation and error resolution.

WHO THIS COURSE IS FOR

IT Professionals

Software Developers

Web Developers

Data Analysts

Linux Administrators

Automation Engineers

LEARNING OBJECTIVES

- Compare Microsoft Copilot, Azure OpenAI and Google AI Studio
- Explain licensing and deployment options for AI productivity tools
- Apply AI to validate structured and unstructured data
- Generate summaries and reports using natural language prompts
- Automate document formatting, slide generation and meeting minutes
- Apply GenAI to generate, explain and debug code snippets
- Integrate Azure OpenAI models into web applications using REST APIs
- Apply prompt engineering to build chatbots and Q&A assistants

5 Modules, 19 Topics

01

Introduction to AI Integration Tools

TOPICS

- Understand the landscape of modern AI tools built for productivity
- Get introduced to Microsoft Copilot, Azure OpenAI (ChatGPT), and Google AI Studio
- Compare features, capabilities, and best use cases for each platform
- Clarify licensing and how to access or deploy these tools in real-world settings

02

Data Validation and Summary with AI

TOPICS

- Utilize AI to validate structured and unstructured data
- Use MS Copilot in Excel for intelligent checks and data enrichment
- Generate summaries and reports using natural language prompts with Azure OpenAI
- Explore prompt-based data extraction and summarization for business use cases

03

Using GenAI for Productivity Tools and Automation

TOPICS

- Discover how GenAI can assist in creating and editing Word and PowerPoint documents using natural language prompts
- Automate document formatting, summary creation, and slide generation with AI assistance
- Use GenAI to generate, explain, and debug code snippets across various programming languages
- Apply GenAI for correcting errors and generating documentation for your projects
- Explore real-world examples such as auto-generating meeting minutes, reports, and presentation decks

04

Building AI Modules for Web-Based Applications Using Azure OpenAI

TOPICS

- Understand how Azure OpenAI services can be integrated into modern web applications
- Learn how to call Azure OpenAI models (e.g., GPT) using REST APIs or SDKs in your web stack
- Explore prompt engineering to drive meaningful interactions in forms, chatbots, and data-driven apps
- Review practical examples like website Q&A assistants

05

Integrating AI with Linux Systems for Automation

TOPICS

- Explore how AI can simplify everyday Linux tasks using natural language interfaces
- Learn how Azure OpenAI can assist with command explanations, script generation, and error resolution

ACTIVITY

- Perform a task that lists the files in a folder and generates summary using GenAI

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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