

GenAI in IT: Boosting Daily Efficiency with Intelligent Tools

Duration: 2 Days

Module 1: Introduction to AI Integration Tools

- - 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

Module 2: Data Validation and Summary with AI

- - 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

Module 3: Using GenAI for Productivity Tools and Automation

- - 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

Module 4: Building AI Modules for Web-Based Applications using Azure OpenAI

- - 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.

Module 5: Integrating AI with Linux Systems for Automation

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