No-code Copilot App using Azure OpenAI

Course Duration: 08 hours

No Pre-requisites

Note: To complete the hands-on labs in this course, students require an Azure subscription that has been approved for access to the Azure OpenAI service: https://aka.ms/oai/access

For Microsoft Copilot Studio lab, students need to have their copilot studio account. Trial Signup process: https://learn.microsoft.com/en-us/microsoft-copilot-studio/sign-up-individual?source=recommendations

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Chapter 01: Introduction to Azure OpenAI
- Azure OpenAI's language, code, and image capabilities
- Azure OpenAI's responsible AI practices and limited access policies
- Types of Azure OpenAI's base model
- Creation of Azure OpenAI resource and model deployment

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Chapter 02: Azure OpenAI Studio Playground
- Azure OpenAI Studio features and capabilities
- **Hands-on:** Generate text using Azure OpenAI studio
- **Hands-on:** Generate code using Azure OpenAI studio
- **Hands-on:** Generate images using Azure OpenAI studio

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Chapter 03: Web Chat Copilot App using Azure OpenAI Studio
- **Components for Copilot**: Usage & role of Azure Storage Account, Azure Cognitive Search, Azure App Services, App Service Plans, Azure Cosmos DB & Power Virtual Agent
- **Workflow:** Data Augmentation Vs Fine Tune Models
- **Hands-on:** Build your own chat copilot Azure OpenAI studio

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Chapter 04: Web Chat Copilot App using Microsoft Copilot Studio
- Microsoft Copilot Studio (formerly Power Virtual Agent) features and capabilities
- Components of Microsoft Copilot Studio: Authoring canvas, Topics, Variables, Generative AI
- **Hands-on:** Build a Copilot Web App using Microsoft Copilot Studio

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Chapter 05: Prompt Engineering using Azure OpenAI Studio
- Understanding Text Prompting
- Iterative Techniques for Text Prompting
- Using Summarization Techniques
- Inference Techniques in Text Prompting
- Transformation Techniques for Text
- **Hands-on:** Performing labs on different prompting techniques

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Chapter 06: Introduction to Semantic Kernel
- Architecture view of Semantic Kernel
- Concept of Chat Plugin & its Integration into Applications
- Native Functions & Chaining Functions
- Basic demo on working of Semantic Kernel