



AI-3016: Develop custom copilots with Azure AI Studio

Course ID #: 7000-977-ZZ-Z

Hours: 7

Course Content

Course Description:

Generative Artificial Intelligence (AI) is becoming more accessible through easy-to-use platforms like Azure AI Studio. Learn how to build generative AI applications like custom copilots that use language models and prompt flow to provide value to your users.

Prerequisites:

Before starting this course, you should be familiar with fundamental AI concepts and services in Azure.

Target Audience:

Generative Artificial Intelligence (AI) is becoming more accessible through easy-to-use platforms like Azure AI Studio. Learn how to build generative AI applications like custom copilots that use language models and prompt flow to provide value to your users.

Topics:

Lesson 1: Introduction to Azure AI Studio

- Introduction
- What is Azure AI Studio?
- How does Azure AI Studio work
- When to use Azure AI Studio
- Exercise - Explore Azure AI Studio
- Knowledge check
- Summary

Lesson 2: Explore and deploy models from the model catalog in Azure AI Studio

- Introduction
- Explore the language models in the model catalog
- Deploy a model to an endpoint
- Improve the performance of a language model
- Exercise - Explore, deploy, and chat with language models
- Knowledge check
- Summary

Lesson 3: Get started with prompt flow to develop language model apps in the Azure AI Studio

- Introduction
- Understand the development lifecycle of a large language model (LLM) app
- Understand core components and explore flow types
- Explore connections and runtimes
- Explore variants and monitoring options
- Exercise - Get started with prompt flow
- Knowledge check
- Summary



AI-3016: Develop custom copilots with Azure AI Studio

Course ID #: 7000-977-ZZ-Z

Hours: 7

Lesson 4: Build a RAG-based copilot solution with your own data using Azure AI Studio

- Introduction
- Understand how to ground your language model
- Make your data searchable
- Build a copilot with prompt flow
- Exercise - Create a custom copilot that uses your own data
- Knowledge check
- Summary

Lesson 5: Integrate a fine-tuned language model with your copilot in the Azure AI Studio

- Introduction
- Understand when to fine-tune a language model
- Prepare your data to fine-tune a chat completion model
- Explore fine-tuning language models in Azure AI Studio
- Exercise - Fine-tune a foundation model
- Knowledge check
- Summary

Lesson 6: Evaluate the performance of your custom copilot in the Azure AI Studio

- Introduction
- Assess the model performance
- Manually evaluate the performance of a model
- Assess the performance of your custom copilot
- Exercise - Evaluate the performance of your custom copilot
- Knowledge check
- Summary

Lesson 7: Responsible generative AI in AI Studio

- Introduction
- Plan a responsible generative AI solution
- Identify potential harms
- Measure potential harms
- Mitigate potential harms
- Operate a responsible generative AI solution
- Exercise - Explore content filters in Azure AI Studio
- Knowledge check
- Summary

Register for this class by visiting us at:

www.tcworkshop.com or calling us at 800-639-3535