Over 35 Years Of Technology Training

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Learning Style: Virtual Classroom

Technology:

Difficulty: Beginner

Course Duration: 1 Day

Develop custom copilots with Azure AI Studio (AI-3016)

About Course:

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.

Course Objectives:

- Introduction to Azure AI Studio
- Explore and deploy models from the model catalog in Azure AI Studio
- Get started with prompt flow to develop language model apps in the Azure AI Studio
- Build a RAG-based copilot solution with your own data using Azure AI Studio
- Integrate a fine-tuned language model with your copilot in the Azure AI Studio
- Evaluate the performance of your custom copilot in the Azure AI Studio
- Responsible generative AI in AI Studio

Audience:

- AI Engineers / Data Scientists
- Technical Leads & Cloud Solution Architects

Prerequsites:

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

Course Outline:

- What is Azure AI Studio?
- How does Azure AI Studio work
- When to use Azure AI Studio
- Explore the language models in the model catalog
- Deploy a model to an endpoint
- Improve the performance of a language model

- 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
- Understand how to ground your language model
- Make your data searchable
- Build a copilot with prompt flow
- 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
- Assess the model performance
- Manually evaluate the performance of a model
- Assess the performance of your custom copilot
- Plan a responsible generative AI solution
- Identify potential harms
- Measure potential harms
- Mitigate potential harms
- Operate a responsible generative AI solution