DEVELOP CUSTOM COPILOTS WITH AZURE AI STUDIO (AI-3016)

Course Code: 834058

Learn how to build generative AI applications like custom copilots that use language models and prompt flow to provide value to your users.

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.

What You'll Learn

Students will learn,

- Plan and prepare to develop AI solutions on Azure
- Choose and deploy models from the model catalog in Azure AI Foundry portal
- Develop an AI app with the Azure AI Foundry SDK
- Get started with prompt flow to develop language model apps in the Azure AI foundry
- Develop a RAG-based solution with your own data using Azure AI Foundry
- Fine-tune a language model with Azure AI Foundry
- Implement a responsible generative AI solution in Azure AI Foundry
- Evaluate generative AI performance in Azure AI Foundry portal

Who Needs to Attend

AI Engineers, Data Scientists, students having knowledge in AI and willing to create custom copilots with Azure AI.

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CLASSROOM LIVE	$675 CAD	1 Day

Classroom Live Outline

Module1: Plan and prepare to develop AI solutions on Azure

- What is AI?
- Azure AI services
- Azure AI Foundry
- Developer tools and SDKs
- Responsible AI
- Exercise - Prepare for an AI development project

Module 2: Choose and deploy models from the model catalog in Azure AI Foundry portal

- Explore the model catalog
- Deploy a model to an endpoint
- Optimize model performance
- Exercise - Explore, deploy, and chat with language models

Module 3 : Develop an AI app with the Azure AI Foundry SDK

- What is the Azure AI Foundry SDK?
- Work with project connections
- Create a chat client
- Exercise - Create a generative AI chat app

Module 4 : Get started with prompt flow to develop language model apps in the Azure AI Foundry

- 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

Module 5: Develop a RAG-based solution with your own data using Azure AI Foundry

- Understand how to ground your language model

- Make your data searchable
- Create a RAG-based client application
- Implement RAG in a prompt flow
- Exercise - Create a generative AI app that uses your own data

Module 6: Fine-tune a language model with Azure AI Foundry

- 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 Foundry portal
- Exercise - Fine-tune a language model

Module 7: Implement a responsible generative AI solution in Azure AI Foundry

- Plan a responsible generative AI solution
- Map potential harms
- Measure potential harms
- Mitigate potential harms
- Manage a responsible generative AI solution
- Exercise - Apply content filters to prevent the output of harmful content

Module 8: Evaluate generative AI performance in Azure AI Foundry portal

- Assess the model performance
- Manually evaluate the performance of a model
- Automated evaluations
- Exercise - Evaluate generative AI model performance

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VIRTUAL CLASSROOM LIVE	$675 CAD	1 Day

Virtual Classroom Live Outline

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PRIVATE GROUP TRAINING	1 Day

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