



Develop Generative AI Apps in Azure (AI-3016)

COURSE OVERVIEW

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.

This advanced course provides a comprehensive exploration of Azure AI Studio, emphasizing the development of AI copilots. Participants will learn to harness the power of Azure AI Studio to create, manage, and deploy language model applications. The course will cover core features, project management, prompt flow development, Retrieval Augmented Generation (RAG) for custom data integration, and responsible AI practices. Hands-on labs will reinforce theoretical knowledge through practical application.

WHO WILL BENEFIT FROM THIS COURSE?

Data Scientist
AI Engineer

COURSE OBJECTIVES

- Navigate and utilize Azure AI Studio's core features and capabilities
- Provision and manage AI resources and projects within Azure AI Studio
- Develop and manage language model applications using prompt flow
- Implement RAG to enhance language models with custom data
- Develop responsible generative AI solutions, identifying and mitigating potential harms
- Practical skills through hands-on labs to reinforce theoretical knowledge

COURSE OUTLINE

Introduction to Azure AI Studio

- Describe core features and capabilities of Azure AI Studio
- Use Azure AI Studio to provision and manage an Azure AI resource
- Use Azure AI Studio to create and manage an AI project
- Understand when to use Azure AI Studio
- Lab: Explore Azure AI Studio

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

- Understand the development lifecycle when creating language model applications.
- Understand what a flow is in prompt flow.
- Explore the core components when working with prompt flow.
- Lab: Get started with prompt flow



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

- Identify the need to ground your language model with Retrieval Augmented Generation (RAG)
- Index your data with Azure AI Search to make it searchable for language models
- Build a copilot using RAG on your own data in the Azure AI Studio
- Lab: Create a custom copilot that uses your own data

Responsible generative AI in AI Studio

- Describe an overall process for responsible generative AI solution development
- Identify and prioritize potential harms relevant to a generative AI solution
- Measure the presence of harms in a generative AI solution
- Mitigate harms in a generative AI solution
- Prepare to deploy and operate a generative AI solution responsibly
- Lab: Explore content filters in Azure AI Studio

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