



Train. Employ. Empower.

AI-050T00 Develop Generative AI Solutions with Azure OpenAI Service

Price
\$595.00

Duration
1 Daytime Class
or
2 Evening Classes

Delivery Methods
Virtual, Private
Group,

CAREER SKILLS+™

In the rapidly advancing domain of generative AI, DSDT's specialized program leverages the Azure OpenAI Service to offer cutting-edge training tailored to the intersection of digital technology skills and career advancement. This course provides comprehensive insights into employing Azure's powerful large language models, including the renowned GPT, which powers services like ChatGPT. Through hands-on experience with REST APIs, SDKs, and Azure OpenAI Studio, participants will gain the ability to create, deploy, and manage generative AI applications effectively.

Who Should Attend

This course is ideal for software developers and data scientists aiming to integrate generative AI into their work. It will benefit those who are keen to deepen their expertise in using large language models effectively within their projects. Participants should have an interest in enhancing their technical skills with a focus on practical, industry-relevant outcomes.

Course Prerequisites

To fully benefit from this course, you should have the following knowledge and skills:

Basic familiarity with Microsoft Azure and navigation of the Azure portal.
Programming experience in C# or Python is advantageous but not mandatory.

Course Objectives

Understand the foundational components of the Azure OpenAI Service.
Master the deployment and management of generative AI models.
Develop proficiency in integrating these models into diverse applications.
Explore advanced techniques in prompt engineering and model interaction.
Apply practical skills in real-world AI scenarios through Azure's extensive toolset.

Agenda

1. Introduction to Azure OpenAI Service

Access and navigate Azure OpenAI Service.
Utilize Azure OpenAI Studio for model exploration.
Deploy and interact with generative AI models.
Practical exercises in using model prompts and testing in studio environments.

2. Building Natural Language Processing Solutions

Integration of Azure OpenAI into applications.
Hands-on use of Azure OpenAI REST API and SDK.

3. Advanced Prompt Engineering

Techniques for effective prompt construction.
Strategies to enhance model responsiveness and accuracy.

4. Code Generation via Azure OpenAI

Generating and refining code from natural language inputs.
Debugging and optimizing code with AI assistance.

5. Image Generation with DALL-E

Introduction to DALL-E and its capabilities within Azure.
Practical application of DALL-E models via Azure OpenAI.

6. Utilizing Retrieval Augmented Generation (RAG)

Exploration of RAG within Azure OpenAI.
Customization of data sources and interactive model dialogues.