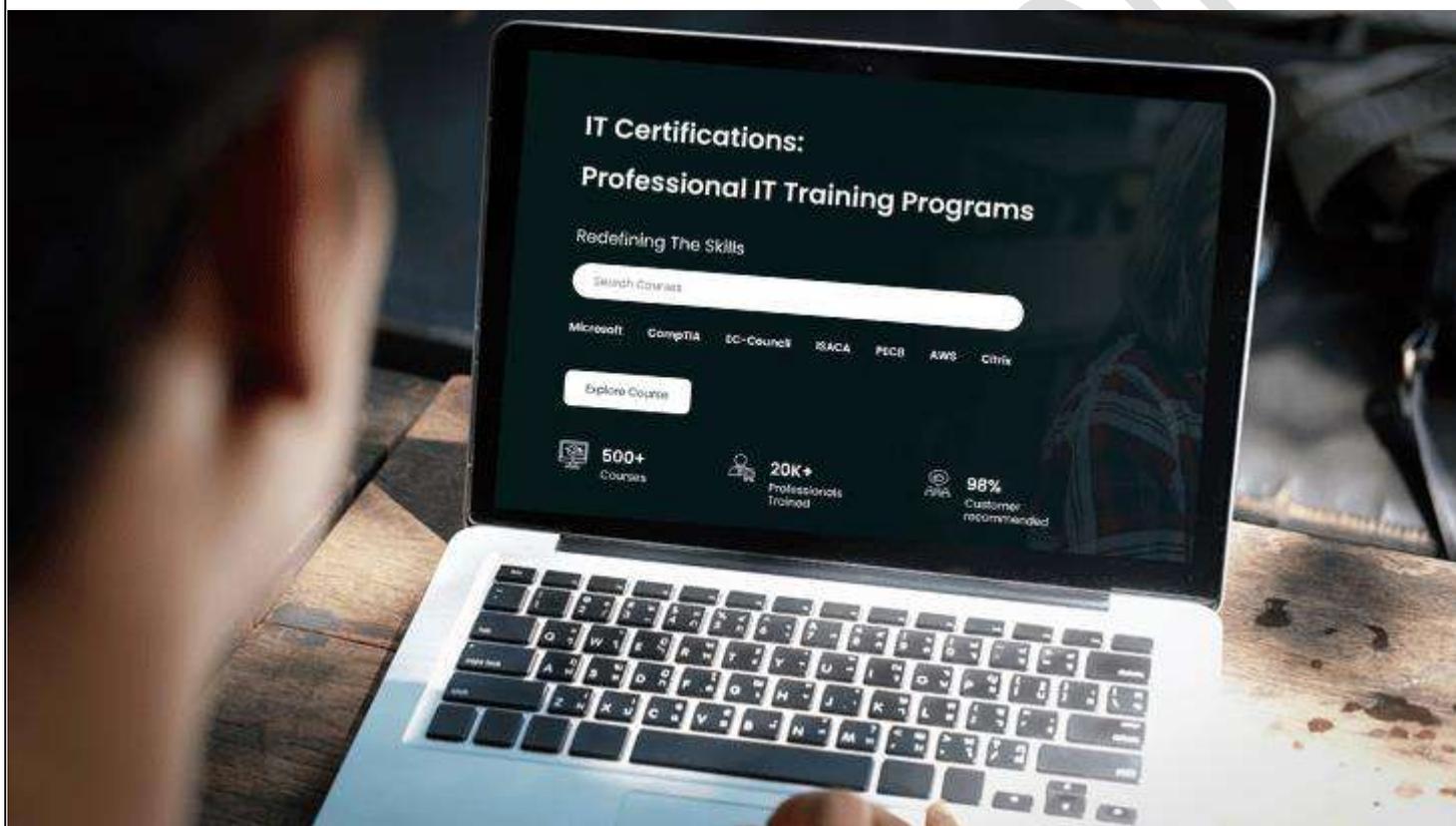




Redefining The Skills



AI-3016: Develop generative AI apps in Azure AI Foundry portal Training

DURATION: 1 DAY

Course Description

This course majorly focuses on empowering learners to deploy, design, and optimize generative AI applications with the help of Azure's cutting-edge AI Foundry Portal. After completing this course, learners will be able to build generative AI applications such as custom copilots, that are experts in using language models and prompt flow. This directly serves customized solutions to users.

Who should attend this course?

- Data Scientist
- AI Engineer

What you will learn

- Understand the core features and capabilities of Azure AI Foundry.
- Provision and manage AI resources using Azure AI Foundry.
- Deploy and optimize language models from the model catalog.
- Develop AI applications using prompt flow in Azure AI Foundry.
- Build RAG-based agents grounded with your own data.
- Fine-tune language models to meet specific application needs.
- Evaluate generative AI applications using benchmarks and metrics.
- Design and deploy responsible generative AI solutions effectively.

Curriculum

Module 1: Introduction to Azure AI Foundry

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

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

- Select a language model from the model catalog.
- Deploy a model to an endpoint.
- Test a model and improve the performance of the model.
- Lab: Explore, deploy, and chat with language models

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

- 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

Module 4: Build a RAG-based agent with your own data using Azure AI Foundry

- 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 an agent using RAG on your own data in the Azure AI Foundry portal
- Lab: Create a custom agent that uses your own data

Module 5: Fine-tune a language model with Azure AI Foundry

- Understand when to fine-tune a model.
- Prepare your data to fine-tune a chat completion model.
- Fine-tune a base model in the Azure AI Foundry portal.
- Lab: Fine-tune a foundation model

Module 6: Evaluate the performance of generative AI apps with Azure AI Foundry

- Understand model benchmarks.
- Perform manual evaluations.
- Assess your generative AI apps with AI-assisted metrics.
- Configure evaluation flows in the Azure AI Foundry portal.
- Lab: Evaluate the performance of your generative AI app

Module 7: Responsible generative AI

- 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

For any query Contact Us – Microtek Learning
