Azure AI Foundry + Agents + GitHub

Duration: 3 Days (24 Hours)

Module 1: Understand Azure AI Foundry - The AI app and agent factory

Explore Generative AI and Agents, learn to build them using Azure AI Foundry, and leverage features like Model Router, Foundry Local, SDK, and the Agent Service for intelligent app development.

Module 2: AI Development and Agentic DevOps with GitHub

Learn about GitHub models and how AI-powered coding with GitHub Copilot and Agents enhances developer productivity. Explore Agentic DevOps and get introduced to the Azure SRE Agent (Preview) for intelligent operations automation.

Module 3: Customize Gen AI Apps and agents at scale

Learn prompt engineering and prompt flow, and explore the Responses API, Computer Use Agent (Preview), and Retrieval Augmented Generation for smarter AI solutions.

Module 4: Fine-tune models with Azure AI Foundry

Learn to fine-tune models in Azure AI Foundry using advanced techniques like Retrieval-Augmented and reinforcement fine-tuning, along with distillation and synthetic data generation.

Module 5: Develop agents with Azure OpenAI

Explore Azure OpenAI in Azure AI Foundry, integrate your data, use function calling and Assistants, implement RAG and fine-tuning, and optimize deployments with provisioned AOAI Service (PTUs).

Module 6: Build multi agent apps with Semantic Kernel or AutoGen

Learn multi-agent orchestration and understand frameworks like Semantic Kernel and AutoGen to build collaborative and intelligent AI agent solutions.

Module 7: Monitor, secure and govern your AI solutions with Azure AI Foundry

Build responsible generative AI workloads with Azure AI Foundry using the Well-Architected Framework, integrating Content Safety, Observability, Risk Evaluation, continuous monitoring, Entra ID, and Microsoft Purview.