Training: Microsoft

GH-600T00: Developing in Agentic AI Systems

Microsoft Partner

TRAINING GOALS:

This course is designed to build practical skills in developing, deploying, and managing agentic AI systems within GitHub-based software development workflows. The course explores how to integrate AI agents into the software development lifecycle (SDLC), including designing agent architectures, configuring tools and environments, and managing agent memory, state, and execution. Students will learn how to evaluate and optimize agent performance, implement governance and guardrails, and coordinate multi-agent systems to ensure safe, reliable, and efficient outcomes.

Audience Profile:
Learners should have subject matter expertise in operating, integrating, supervising, and governing AI agents inside production-grade SDLC workflows and development environments, ensuring reliability, safety, and velocity using GitHub as the system of record and control plane.

CONSPECT:

- Developing in Agentic AI Systems Part 1 of 2
  - Module 1: Foundations of Agentic AI in GitHub
  - Module 2: Designing Agent Architecture and SDLC Integration
  - Module 3: Tooling, MCP, and Agent Execution Environments
- Developing in agentic AI systems part 2 of 2
  - Module 1: Multi-Agent Systems and Orchestration
  - Module 2: Memory, State, and Evaluation
  - Module 3: Governance, guardrails, and operations

REQUIREMENTS:

A GitHub account. Basic understanding of AI fundamentals. Basic understanding of repositories, branches, and pull requests. General knowledge of CI and CD concepts.

Difficulty level

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007

CERTIFICATE:

The participants will obtain certificates signed by Microsoft (course completion).

This course will help prepare you for the **GitHub Certified: Agentic AI Developer (beta)** certification, which is available through the Pearson VUE test centers.

TRAINER:

Microsoft Certified Trainer (MCT)

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