

GH-300: GitHub Copilot Fundamentals Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The GH-300: GitHub Copilot Fundamentals training is designed to introduce developers, software engineers, and IT professionals to AI-powered coding assistance using GitHub Copilot. Delivered by Multisoft Systems, this course focuses on building a strong foundational understanding of how GitHub Copilot works and how it can be effectively integrated into modern development workflows.

Module 1: Responsible AI with GitHub Copilot

- ✓ Introduction
- ✓ Mitigate AI risks
- ✓ Microsoft and GitHub's six principles of responsible AI

Module 2: Introduction to GitHub Copilot

- ✓ Introduction
- ✓ GitHub Copilot, your AI pair programmer
- ✓ Interact with Copilot
- ✓ Set up, configure, and troubleshoot GitHub Copilot
- ✓ Develop with AI-powered code suggestions by using GitHub Copilot and VS Code

Module 3: Introduction to prompt engineering with GitHub Copilot

- ✓ Introduction
- ✓ Prompt engineering foundations and best practices
- ✓ GitHub Copilot user prompt process flow
- ✓ GitHub Copilot data
- ✓ GitHub Copilot Large Language Models (LLMs)

Module 4: Using advanced GitHub Copilot features

- ✓ Introduction
- ✓ Advanced GitHub Copilot features
- ✓ Set up GitHub Copilot to work with Visual Studio Code
- ✓ Applied GitHub Copilot techniques
- ✓ Update a web API with GitHub Copilot

Module 5: GitHub Copilot Across Environments: IDE, Chat, and Command Line Techniques

- ✓ Introduction
- ✓ Code completion with GitHub Copilot
- ✓ GitHub Copilot Chat
- ✓ GitHub Copilot for the Command Line

Module 6: Management and customization considerations with GitHub Copilot

- ✓ Introduction
- ✓ Explore GitHub Copilot plans and their associated management and customization features
- ✓ Explore contractual protections in GitHub Copilot and disabling matching public code
- ✓ Manage content exclusions
- ✓ Troubleshoot common problems with GitHub Copilot

Module 7: Developer use cases for AI with GitHub Copilot

- ✓ Introduction
- ✓ Boost developer productivity with AI
- ✓ Align with developer preferences
- ✓ AI in the Software Development Lifecycle (SDLC)
- ✓ Understand limitations and measure impact

Module 8: Develop unit tests using GitHub Copilot tools

- ✓ Introduction
- ✓ Examine the unit testing tools and environment
- ✓ Create unit tests by using GitHub Copilot Chat

- ✓ Create unit tests for specific conditions by using GitHub Copilot
- ✓ Complete the "create unit tests" challenge
- ✓ Review the "create unit tests" solution

Module 9: Introduction to GitHub Copilot Business

- ✓ Introduction
- ✓ About GitHub Copilot for Business
- ✓ GitHub Copilot for Business use cases and customer stories
- ✓ How to get started with GitHub Copilot for Business?

Module 10: Introduction to GitHub Copilot Enterprise

- ✓ Introduction
- ✓ About GitHub Copilot Enterprise
- ✓ How to get started?

Module 11: Using GitHub Copilot with JavaScript

- ✓ Introduction
- ✓ What is GitHub Copilot?
- ✓ Use GitHub Copilot with JavaScript

Module 12: Using GitHub Copilot with Python

- ✓ Introduction
- ✓ What is GitHub Copilot?
- ✓ Use GitHub Copilot with Python