

GitHub Copilot Fundamentals

Duration: 08 hours

Module 01: Introduction to GitHub Copilot

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

Module 02: Introduction to prompt engineering with GitHub Copilot

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

Module 03: Introduction to GitHub Copilot for Business

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

Module 04: Using GitHub Copilot with JavaScript

- Exercise - Set up GitHub Copilot to work with Visual Studio Code
- Use GitHub Copilot with JavaScript
- Exercise - Update a JavaScript portfolio with GitHub Copilot

Module 05: Using GitHub Copilot with Python

- What is GitHub Copilot
- Use GitHub Copilot with Python
- Exercise - Update a Python web API with GitHub Copilot

Module 06: Build a minigame project with GitHub Copilot and Python

- Prepare for challenge
- Exercise - Add the GitHub Copilot extension
- Exercise - Create the game logic