GitHub Copilot for Developers

GitHub Copilot is a code development-oriented application designed to make it easier to create software applications by using a Large Language Model (LLM) Artificial Intelligence (AI) system trained using public repositories in GitHub covering the range of programming languages in those public repositories.

Since the introduction of GitHub Copilot, software development has been changed forever by giving developers a powerful tool designed to help them optimize their work through suggested code completions. Now, with GitHub Copilot Chat developers can have interactive conversations with Copilot to better understand and refine the code suggestions.

Developers who want to embrace Copilot to become productive will need to learn new skills, including how to work with it using prompt engineering. Prompt engineering is the practice of interactively building a prompt, or structured question, to help Copilot derive the best possible solution to critical coding questions.

Join Coveros for this innovative training class designed to help software developers come up to speed on GitHub Copilot and get a jump start on how to effectively incorporate Copilot into your software developer workflow.

Key takeaways from this class include:

- Incorporating Prompt Engineering into your code development
- Effectively using Copilot with inline comments
- Interacting with Copilot Chat
- Understanding other additional features, including: Copilot Docs, Copilot Enterprise, Copilot Automated Pull Request
- What to expect when working with Copilot
- Automating unit test and other test generation

Who Should Attend:
Anyone currently using GitHub or looking to adopt GitHub who wants to learn more about Copilot and how to be more productive. Anyone interested in learning more about how Large Language Model (LLM) Artificial Intelligence (AI) can help software professionals do more while maintaining high-quality software development practices.

Course Outline

Session 1: What is Copilot?

- Introduction to Copilot
- How Copilot works under the hood

Session 2:Prompt Engineering

- Overview
- 3 different techniques

Session 3: Using Copilot in your IDE

- Overview and setup
- Using inline comments to prompt Copilot

Session 4: Copilot Chat

- Overview and setup
- How Copilot Chat can change your development

Session 5: Working with Copilot

- Converting code
- Fixing code errors
- Assisting with terminal problems (Visual Studio Code)

Session 6: Tips & Tricks + Best Practices

Copilot Hackathon!

- How can Copilot help with automating test creations?

Q&A and Wrap-Up

- Recap everything we covered
- Go over Hackathon and announce results
- Future state and Copilot X

process