Unit 1 of 7

Ask Learn

✓ 100 XP

Introduction

2 minutes

GitHub Copilot, powered by OpenAI, is changing the game in software development. GitHub Copilot can grasp the intricate details of your project through its training of data containing both natural language and billions of lines of source code from publicly available sources, including code in public GitHub repositories. This allows GitHub Copilot to provide you with more context-aware suggestions.

But to get the most out of GitHub Copilot, you need to know about prompt engineering. Prompt engineering is how you tell GitHub Copilot what you need. The quality of the code it gives back depends on how clear and accurate your prompts are.

In this module, you'll learn about:

- Prompt engineering principles, best practices, and how GitHub Copilot learns from your prompts to provide context-aware responses.
- The underlying flow of how GitHub Copilot processes user prompts to generate responses or code suggestions.
- The data flow for code suggestions and chat in GitHub Copilot.
- LLMs (Large Language Models) and their role in GitHub Copilot and prompting.
- How to craft effective prompts that optimize GitHub Copilot's performance, ensuring precision and relevance in every code suggestion.
- The intricate relationship between prompts and Copilot's responses.
- How Copilot handles data from prompts in different situations, including secure transmission and content filtering.

Next unit: Prompt engineering foundations and best practices

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