

GitHub with CoPilot

Course Structure

Duration – 40 Hours (2 Months)



Introduction to GitHub Copilot – 6 Hours

- Understanding what GitHub Copilot is and its role as an AI pair programmer.
- Interacting with Copilot and setting up its configuration in environments like VS Code.
- Practical exercises for developing with AI-powered code suggestions.

Introduction to Prompt Engineering with GitHub Copilot – 6 Hours

- Foundations and best practices of prompt engineering.
- Understanding the GitHub Copilot user prompt process flow.
- Insights into GitHub Copilot's data usage and Large Language Models (LLMs).

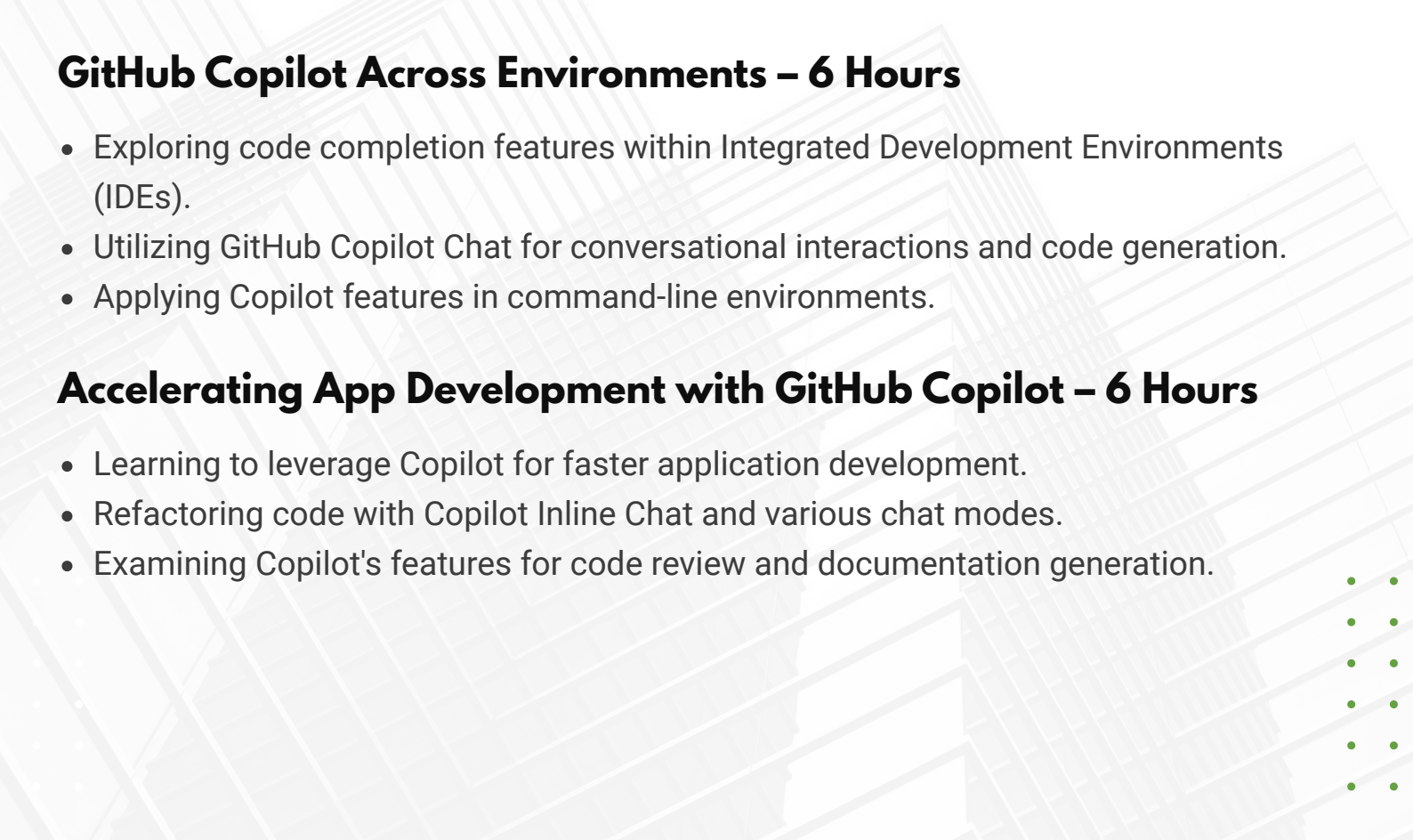
Responsible AI with GitHub Copilot – 6 Hours

- Strategies for mitigating AI risks and addressing ethical considerations.
- Adherence to Microsoft and GitHub's six principles of Responsible AI (e.g., fairness, accountability, transparency).

GitHub Copilot Across Environments – 6 Hours

- Exploring code completion features within Integrated Development Environments (IDEs).
- Utilizing GitHub Copilot Chat for conversational interactions and code generation.
- Applying Copilot features in command-line environments.

Accelerating App Development with GitHub Copilot – 6 Hours

- Learning to leverage Copilot for faster application development.
 - Refactoring code with Copilot Inline Chat and various chat modes.
 - Examining Copilot's features for code review and documentation generation.
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Contact Us Today!



+91 8282884601



partner@cronusconsultants.co.in



www.cronusconsultants.co.in



Corporate Office - Bengal Eco Intelligent Park, Floor 13,
Module 21, EM3, Salt Lake Sector V, Kolkata - 700 091

Registered Office - AA/19, DEBANDHU NAGAR, KOLKATA,
North 24 Parganas, West Bengal, 700059