Introduction to GitHub Copilot

Two Hour Boot Camp

# Short Overview

GitHub Copilot uses generative AI models developed by GitHub, OpenAI, and Microsoft. Copilot recognizes the programming language and the context in which you are developing and offer suggestions on that basis. It offers suggestions based on historical data and within the environment that the developer is in. It is even able to splice in code explanations and answers to users questions on the various GitHub forums. Specifically Copilot is good for code completion, building unit tests, refactoring code, code translation and software documentation.

# Audience

Newer JavaScript programmers with at least 1 year of working experience. Any other programmer with more than 2 years’ experience but have never worked with Angular or JavaScript will also benefit. GitHub Copilot is universal.

# Topics:

Angular project setup

Terminal window operations

Adding a file to the project

Form support

Adding Tailwind CSS

API support

MongoDB interaction

Posting a new resource

Testing with jest and Supertest

**Environment**

We will be using the NodeJS environment to run all the examples and code in this bootcamp.

The instructor will be using a Linux VM along with VS Code.

Any OS will work if you are able to install NodeJS on it.

An online sand box is also available to Percipio users

OS - Ubuntu 22.04.2 LTS

NodeJS – v20.10.0

npm – 10.5.0

Angular CLI: 16.0.0

Modern browser

Postman