GH-900T00-A: GitHub Foundations

Course Description

GitHub Foundations introduces you to the fundamental concepts, features, and products of GitHub. You'll discover the benefits of using GitHub as a collaborative platform and explore its core features, such as repository management, commits, branches, and merging. Through curated modules and hands-on exercises, you'll gain a solid understanding of GitHub's essential tools and be well-equipped to start contributing to projects and collaborating effectively within GitHub.

Course Duration

1 day

Course Outline

- GitHub Foundations Part 1 of 2
    - Introduction to Git
    - Introduction to GitHub
    - Introduction to GitHub's products
    - Configure code scanning on GitHub
    - Introduction to GitHub Copilot
    - Code with GitHub Codespaces
    - Manage your work with GitHub Projects
    - Communicate effectively on GitHub using Markdown
- GitHub Foundations Part 2 of 2
    - Contribute to an open-source project on GitHub
    - Manage an InnerSource program by using GitHub
    - Maintain a secure repository by using GitHub best practices
    - Introduction to GitHub administration
    - Authenticate and authorize user identities on GitHub
    - Manage repository changes by using pull requests on GitHub
    - Search and organize repository history by using GitHub
    - Using GitHub Copilot with Python

Who Should Attend

This course in intended for students who want to understand and GitHub best practices. You will understand the fundamental features of GitHub, learn about repository management, gain an understanding of the GitHub flow, including branches, commits, and pull requests. Additionally, you will explore the collaborative features of GitHub by reviewing issues and discussions and be able to manage your GitHub notifications and subscriptions.