ELEVO LABS
LEARN. INNOVATE. ELEVATE.

Course Overview

Course Details

Course Name: GitHub for Collaborative Development

Instructor: Amit Chandrakar

Created On: 16 June, 2025

Updated On: 16 June, 2025

Price: 4000 INR

Duration: 4 weeks

Modules: 7

Language: English, Hindi

Level: Beginner, Expert

Certifications: Yes

Course Description

This course is your complete guide to Git and GitHub, the essential tools for modern software development. We start with the fundamentals of version control, explaining why it's crucial for every developer. You'll get hands-on experience with the most important Git commands and learn the core workflow of staging, committing, pushing, and pulling changes.

We then move to GitHub, where you will learn to host your repositories and collaborate effectively with others. You'll master branching and merging, learn how to resolve merge conflicts, and participate in the professional code review process using Pull Requests. The course also covers using GitHub Issues for project management and an introduction to

automating workflows with GitHub Actions.

What You'll Learn:

- Core concepts of version control with Git.
- The essential Git workflow (add, commit, push, pull).
- Branching and merging strategies.
- Resolving merge conflicts.
- Collaborating on GitHub with Pull Requests.
- Using GitHub Issues and Projects for task management.
- Automating workflows with a basic GitHub Actions pipeline.

Who Is This Course For?

This course is for anyone who writes code. It's an absolutely essential skill for developers, data scientists, and anyone working in a technical team.

Course Curriculum Details

Module 1: Module 1: Introduction to Version Control
2 Lessons

1. What is Git? Why use Version Control? **20min**

2. Git vs. GitHub **10min**

Module 2: Module 2: Git Fundamentals
2 Lessons

1. Configuring Git and Creating a Repository **20min**

2. The Core Workflow: Add, Commit, Push **35min**

Module 3: Module 3: Branching and Merging

3 Lessons

1. What are Branches?   **20min**

2. Creating, Switching, and Merging Branches   **30min**

3. Resolving Merge Conflicts   **30min**

Module 4: Module 4: Collaborating on GitHub

2 Lessons

1. Cloning, Forking, and Remotes   **30min**

2. The Pull Request Workflow   **40min**

Module 5: Module 5: Project Management

1 Lessons

1. Using Issues and Labels   **25min**

Module 6: Module 6: Introduction to GitHub Actions

1 Lessons

1. Automating Your First Workflow   **35min**

Module 7: Module 7: Final Project

1 Lessons

1. Contribute to a Mock Open Source Project   **1hr 30min**

This curriculum is subject to minor adjustments to ensure the most up-to-date and effective learning experience.