INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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GitHub Course

Getting Started with Git

- Understanding Version Control
- Introduction to Git
- Installing Git
- Configuring Git
- Basic Git Commands (init, add, commit, status)

Understanding GitHub

- What is GitHub?
- Sign up for GitHub
- Creating a Repository
- Understanding Repositories, Branches, and Commits
- Forking and Cloning Repositories

Collaborating on GitHub

- Adding Collaborators
- Pull Requests
- Reviewing Pull Requests
- Merging Pull Requests

- Handling Merge Conflicts

GitHub Features

- Issues
- Projects
- Wikis
- Insights and Analytics

Advanced Git/GitHub Usage

- Branching Strategies
- Rebasing vs. Merging
- Tags
- Hooks
- Git Workflows (e.g., Git Flow)

GitHub Pages

- Introduction to GitHub Pages
- Setting up GitHub Pages
- Customizing GitHub Pages
- Publishing Websites with GitHub Pages

Integrations and APIs

- Integrating GitHub with other tools (e.g., Slack, Jira)
- Using GitHub API
- Automating workflows with GitHub Actions

Best Practices and Tips

- Git/GitHub Etiquette

- Managing Large Repositories
- Security Best Practices
- Useful Tips and Tricks

Troubleshooting and FAQs

- Common Issues and Errors
- Debugging Git/GitHub Problems
- Resources for Further Help

Final Project

- Applying Learned Concepts in a Project
- Collaboration Exercise
- Presentation and Feedback