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Course: MLOps

Module: Git and GitHub

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Git and Github

- install git in laptop other than C derive
- then open vs code terminal and config by followiing code
 - o git config --global user.name ""
 - o git config --global user.email ""
- Add Github to your local PC
 - o git clone github link
 - o git status
 - o git pull origin main # add any change you made in github
- · Add your local project to the Github
 - o git init # to incorporate git in folder
 - o Remove-Item -Recurse -Force .git # disconnect git from github
 - o create repositor in github with same name of your project and without .rmd file
 - o git add.
 - o git commit -m "first commit"
 - o git remote add origin github link # connect
 - o git branch
 - o git remote --v
 - o git push -u origin main # first time
 - o git push command # use onward

To log out Git from Github

git config --global --unset user.name git config --global --unset user.email

- Search for Credential Manager in Windows Start
- Open Windows Credentials
- Find anything like git:https://github.com
- · Click and remove/delete it

GitHub Access Types – Short Guide

- 1. Fork \rightarrow Clone \rightarrow Change \rightarrow Push
 - Changes go to their GitHub fork
 - X Your repo is not affected

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• They can open a **pull request** to suggest changes

2. Just Clone (No Fork)

- Gets a **local copy** of your code
- X Cannot push or create pull request
- X Changes stay only on their computer

3. Add as Collaborator

- ✓ Clone your repo
- Push changes directly OR
- Pull request required if branch is protected

□ Git Feature Branch Workflow

This guide walks through creating a feature branch, making changes, pushing to GitHub, opening a pull request, and pulling merged code.

General commands

Create a new branch and switch to it

git checkout -b feature/my-feature

Switch to an existing branch

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git checkout main

Rename current branch

git branch -m new-branch-name

Rename a specific branch (not checked out)

git branch -m old-branch-name new-branch-name

Delete a local branch

git branch -d feature/old-feature # Use -D to force delete

Delete a remote branch

git push origin --delete feature/old-feature