Developer

Full Stack Developer

Data Analyst

Data Engineer

AI Engineer

Data Scientist

ML Engineer

**Git:**

Version Control System -🡪 Track the changes in the project

Github or Azure DevOps 🡪 All the repositories and the whole projects

Repository. -🡪 A common storage

Branch 🡪 dev, QA, prod

Commit 🡪 It is mainly pushing the code to codebase i.e repository

Pull request 🡪 Pushing from one branch to another branch

Team of 10 People 🡪 10 branches as feature branch. Master.

X Git clone the repository 🡪 Default Master

Git checkout X

1 feature branch 🡪 X. 🡪 Make changes 🡪 Add changes 🡪 Commit Changes 🡪 Push the changes to X 🡪 PR 🡪 Master

2 Feature Branch 🡪 Y

Each branch 🡪 PR 🡪 Dev Branch 🡪 PR 🡪 QA Branch 🡪 PR 🡪 Prod

Dev 🡪 a change has been made . Wrong file or wrong changes has been done

Feature branch 🡪 Make the changes in local 🡪 PR 🡪 Dev

Feature branch 🡪 Make the changes in local 🡪 PR 🡪 Dev

Feature branch 🡪 Make the changes in local 🡪 PR 🡪 Dev

Git\_Learning

Create a repo 🡪 Main or Master Branch 🡪 Git hub or DevOps

Clone the repo 🡪 create your own feature 🡪 Make the changes 🡪 Add that changes to VCS

Local 🡪 Folder or Directory 🡪 git init. -> Github 🡪 Clone

**Cloning 🡪 Github or DevOps to local**

**Make the changes in Local**

**Add the changes to VCS it is called 🡪 Staging**

**Local Directory (Git\_Learn) 🡪 GIT VCS 🡪 Github**

**Commit the changes 🡪 Push to Repo in Github**

**Clone**

**Add 🡪 Staging**

**Commit**

**Push**

**Git init. 🡪**

**Branch 🡪 X 🡪 Changes 🡪Add 🡪 commit id 🡪 Push**

**Registers 🡪 PC 🡪 Address**

**Cd – Change directory**

**Ls –List of all files**

**Pwd – present working directory**

**Git clone url**

**Git status**

**Git add . 🡪 Adds all the changes in all the files (git add filename.txt)🡪 Staging**

**Git commit -m “ The message added the learning” 🡪 M, message, N name, V version**

**Git Push**

**Sync 🡪 Pull and Push**

**Git checkout**

**Git merge**

**Learn\_Git :**

**App.py. 🡪 20 lines X 🡪 10th line is a local change, Y 🡪 10th line. Is remote change**

**X has clone. 🡪 Made the changes in app.py. -🡪 You have not pushed**

**Y has cloned 🡪 Made the changes in app.py 🡪 He pushed**

**X has to Push the changes and in remote Y changes are there but is not there X local**

**Git Status**

**Git add .**

**Git commit -m “Status”**

**Git push. 🡪 few changes in local are not a available and please pull**

**Git Pull 🡪 It shows a merge conflict 🡪 Git merge both the files**

**Git push**