**GIT**

**Git:** Git is a **Distributed Version Control System** used to keep track of changes made in your code. It was created by Linus Torvalds in 2005.

**Distributed Version Control System:** It means a developer does not depend on another developer’s code. Developers can work independently, make changes, commit them, and even create branches without affecting the main codebase.

**Version Control System:** Version Control Systems are software tools that allow you to track changes to your code.

**git - -version**

**git config --global user.name "user name"**

**git config --global user.email "user email"**

**git config --list**

**mkdir myproject\_name**

**cd myproject\_name**

**git init //initialize new Git repository in the current directory**

**git clone <repository\_url> //clone repository**

**git status //shows current status of working directory**

**git add <file\_name> //add changes, and ready to be committed**

**git add . //add all changes**

**git commit -m “commit message” //commit the changes**

**git pull origin “branch\_name“ //fetch and merge changes from specific branch in our branch**

**git push -u origin “branch\_name“ //push the local changes to our branch**

**git branch //shows local branch**

**git branch -r //shows all remote-tracking branches only**

**git branch -a //shows all local and remote branches**

**git branch --list //shows all the branches available locally**

**git branch “branch\_name” //creates new branch**

**git checkout “branch\_name” //switch the branch (also used for restoring the files)**

**git switch “branch\_name” //switch the branch**

**git branch -d “branch\_name” //delete the local branch**

**git branch -D “branch\_name” //delete the local branch forcefully**

**git stash //temporarily saves your uncommitted changes (both tracked and**

**untracked) without committing them**

**git rm -- cached “file\_name” //remove a file from the Git staging area without deleting it**

**from your working directory..**

**CI/CD Pipelines: Learn code with durgesh, chai aur code**

**Linux**

**Git**

**CI/CD Pipelines, https://www.youtube.com/watch?v=H5qdjTMqScU**

**Docker**