



GIT COMMANDS

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- **git init:** used to create a new Git repository
- **git clone [url]:** used to create a copy, or clone, of an existing Git repository
- **git status:** used to get a snapshot of the current state of your Git repository
- **git add [file]:** used to select specific files or changes you want to include in your next commit
- **git reset [file]:** used to unstage a file, meaning it removes the file from the staging area
- **git diff:** helps you see the differences between various states of your code
- **git diff --staged:** to view the changes that are currently staged in the staging area
- **git commit -m “[descriptive message]”:** used to capture a snapshot of the changes
- **git branch:** used for managing branches
- **git branch [branch-name]:** used to create a new branch with specified name

- **git checkout:** used for switching branches, restoring files
- **git merge [branch]:** used to combine the changes from a branch into the current branch
- **git log:** used to display the history of commits
- **git log branchB..branchA:** to display the commit history that specifically traces between two branches
- **git log --follow [file]:** designed to show you the complete commit history for a particular file
- **git show [SHA]:** acts like a spotlight, allowing you to see the details of a specific commit
- **git rm [file]:** used to remove a file from your Git repository
- **git mv [existing-path] [new-path]:** it both moves and renames a file within your Git repository
- **git log --stat -M:** to provide a detailed view of your commit history with a focus on file modifications

- **git fetch [alias]:** used to download the latest changes from a remote repository
- **git merge [alias]/[branch]:** used to integrate the changes from a branch located in a remote repository into your current local branch
- **git push [alias] [branch]:** used to upload your local branch commits to a remote repository
- **git pull:** fetching updates from a remote repository and merging them into your local branch
- **git rebase [branch]:** used to rewrite the commit history of your current local branch
- **git stash:** Creates a new stash and cleans your working directory
- **git stash list:** Lists all the existing stashes you've created
- **git stash pop:** Applies the most recent stash (like taking it out of storage) and removes it from the stack
- **git stash apply:** Applies a specific stash (identified by its index) without removing it from the stack
- **git stash drop:** Removes a specific stash from the stack entirely

**Thank
you**