

## Git Commands Reference (Tabular Format)

Command	Description
pwd	Check current directory path
cd <path>	Move to a directory
git init	Initialize a Git repository
git config --global user.name "Name"	Set global username
git config --global user.email "email"	Set global email
git status	Show file status
git add <file>	Stage a file
git add .	Stage all files
git commit -m "message"	Commit staged files
git log	Show commit history
git log --all	Show commit history from all branches
git diff <file>	Show differences (untracked vs staged)
git diff --cached	Show staged vs committed differences
git branch <name>	Create a new branch
git branch	List local branches
git branch -a	List all branches
git checkout <branch>	Switch to existing branch
git checkout -b <branch>	Create and switch to new branch
git merge <branch>	Merge branch into current branch
git mv old.txt new.txt	Rename or move file
git rm <file>	Delete file from repo
git rm -r <folder>	Delete a folder
git remote add origin <url>	Add remote repository
git remote -v	Show remote URLs
git remote set-url origin <url>	Change remote URL
git push -u origin master	Push to GitHub first time
git push origin master	Push latest changes
git pull origin master --rebase	Pull and rebase
git fetch origin	Fetch changes without merging
git reset <file>	Unstage a file
git reset	Unstage all files
git reset --soft HEAD~1	Undo last commit but keep changes
git reset --hard HEAD~1	Undo last commit completely

git stash	Save changes temporarily
git stash pop	Reapply stashed changes
git show <commit_id>	Show details of a commit
git branch --show-current	Show current branch name
git diff branch1 branch2	Compare two branches