Git Command Cheat Sheet

Getting Started

git init - Initializes a new Git repo.

git clone <repo_url> - Clones an existing repo.

Staging & Committing

git status - Shows the current state of the working directory.

git add <file> - Stages a specific file.

git add . - Stages all modified/untracked files.

git commit -m "message" - Commits staged changes.

Branching & Merging

git branch - Lists branches.

git branch <branch-name> - Creates a new branch.

git checkout <branch-name> - Switches branches.

git checkout -b <branch-name> - Creates & switches to a new branch.

git merge <branch-name> - Merges the named branch into the current one.

Remote Repositories

git remote -v - Shows remote repositories.

git push - Pushes commits to the remote repo.

git push -u origin <branch> - Pushes & sets upstream branch.

git pull - Fetches and merges changes.

git fetch - Downloads changes without merging.

Undo & Fix

git log - Shows commit history.

git diff - Shows unstaged changes.

git diff --staged - Shows staged changes.

git reset <file> - Unstages a file.

git reset --hard - Discards all local changes.

git checkout -- <file> - Reverts file to last commit.

Bonus Tips

git stash - Saves uncommitted changes temporarily.

git stash pop - Restores stashed changes.

git tag - Creates tags for versions.