# Git & GitHub Cheatsheet

| Command | Description |
|---|---|
| git init | Initialize a new Git repository. |
| git clone <repo_url> | Clone a repository to your local machine. |
| git status | Check the status of changes (tracked, untracked, staged). |
| git add <file_name> | Stage a specific file. |
| git add . | Stage all changed files. |
| git commit -m "commit message" | Commit staged changes with a message. |
| git branch <branch_name> | Create a new branch. |
| git checkout <branch_name> | Switch to the specified branch. |
| git checkout -b <branch_name> | Create and switch to a new branch. |
| git branch | List all branches. |
| git push origin <branch_name> | Push the current branch to the remote repository. |
| git pull origin <branch_name> | Fetch and merge changes from the remote repository. |
| git merge <branch_name> | Merge the specified branch into the current branch. |
| git log | View commit history. |
| git remote -v | List remote repositories. |
| git reset <file_name> | Unstage a file. |
| git reset --hard <commit_id> | Reset to a specific commit, discarding all changes. |
| git stash | Save changes temporarily. |
| git stash pop | Apply the stashed changes. |