

Complete Git Commands Cheat Sheet

Git Configuration

```
git config --global user.name "Your Name"  
git config --global user.email "you@example.com"  
git config --list
```

Repository Management

```
git init  
git clone <repo_url>  
git remote -v  
git remote add origin <url>
```

Staging & Committing

```
git add <file>  
git add .  
git commit -m "Your message"  
git status
```

Branching & Merging

```
git branch  
git branch <new_branch>  
git checkout <branch>  
git checkout -b <new_branch>  
git merge <branch>
```

Syncing with Remote

```
git pull origin <branch>  
git push origin <branch>  
git fetch
```

Log & History

```
git log  
git log --oneline  
git diff  
git show <commit>
```

Undoing Changes

```
git reset <file>
```

git reset --hard

git revert <commit>

git checkout -- <file>

Stashing

git stash

git stash apply

git stash list

git stash drop

Cleaning

git clean -f

git clean -fd

Tagging

git tag

git tag <tag_name>

git tag -a <tag_name> -m "message"

git push origin <tag_name>

GitHub Collaboration

git fork (on GitHub UI)

git clone <your_fork_url>

git remote add upstream <original_repo_url>

git fetch upstream

git merge upstream/main