Git Cheat Sheet

The everyday command reference for local work and collaboration.

TechieNicks

Working Directory
`git add`
Edit and inspect files.

→

Staging Area
`git commit`
Review the next snapshot.

→

Remote Repository
`git push`
Share commits with your team.

START HERE

`git init`	Create a repository
`git clone <url>`	Copy a remote repository
`git status`	Inspect current changes
`git log --oneline`	View compact history

STAGE AND COMMIT

`git add <file>`	Stage one file
`git add .`	Stage all changes
`git diff`	View unstaged changes
`git diff --cached`	View staged changes
`git commit -m "message"`	Save a snapshot

BRANCHES

`git branch`	List branches
`git checkout -b feature/name`	Create and switch
`git checkout main`	Switch branches
`git merge feature/name`	Merge a branch

REMOTE WORK

`git remote -v`	Show remote URLs
`git fetch`	Download updates
`git pull origin main`	Fetch and merge
`git push origin main`	Publish commits

UNDO CAREFULLY

`git restore <file>`	Discard file edits
`git reset <file>`	Unstage a file
`git revert <commit>`	Undo safely in history
`git stash`	Temporarily shelve work
`git stash pop`	Restore shelved work

FIRST-TIME SETUP

`git config --global user.name "Name"`	Set your name
`git config --global user.email "you@example.com"`	Set your email
`git config --list`	Review configuration

Tip: run `git status` often. It tells you what Git sees before you change anything.