

# Git Quick Reference Cheat Sheet

Everything you need. Nothing you don't. Keep this close.

## ■ CORE CONCEPTS

Repository	Git-tracked project folder
Commit	Saved snapshot of your work
Branch	Parallel copy for experiments
Merge	Combine two branches
Remote	Hosted repo (GitHub/GitLab)
Staging Area	Prep zone before committing

## 📁 STAGE & COMMIT

<code>git status</code>	See changed files
<code>git add .</code>	Stage all changes
<code>git add &lt;file&gt;</code>	Stage a specific file
<code>git commit -m "msg"</code>	Save snapshot
<code>git commit --amend</code>	Edit last commit message
<code>git log --oneline</code>	Compact history view

## ☁️ PUSH & PULL

<code>git push</code>	Push commits to remote
<code>git push -u origin &lt;b&gt;</code>	Push & set upstream
<code>git pull</code>	Fetch + merge latest
<code>git fetch</code>	Download without merging

## ⚙️ SETUP & INIT

<code>git init</code>	Start tracking a folder
<code>git clone &lt;url&gt;</code>	Download a remote repo
<code>git remote add origin</code>	Connect to remote
<code>git config --global</code>	Set username / email
<code>git remote -v</code>	View remote connections

## 🌿 BRANCHES & MERGING

<code>git branch</code>	List all branches
<code>git branch &lt;n&gt;</code>	Create a new branch
<code>git checkout &lt;b&gt;</code>	Switch to a branch
<code>git checkout -b &lt;n&gt;</code>	Create & switch
<code>git merge &lt;branch&gt;</code>	Merge into current
<code>git branch -d &lt;n&gt;</code>	Delete a branch

## 🔄 UNDO & FIX

<code>git revert &lt;commit&gt;</code>	Undo a commit safely
<code>git reset --soft HEAD~1</code>	Undo, keep changes
<code>git stash</code>	Save uncommitted work
<code>git stash pop</code>	Restore stashed work

## ⚡ EVERYDAY 5-STEP WORKFLOW

1. `git pull` > 2. Make changes > 3. `git add .` > 4. `git commit -m "..."` > 5. `git push`