

# GIT CHEATSHEET (MAC)

## 0) ONE-TIME SETUP

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

## 1) CREATE A NEW REPO LOCALLY AND PUSH TO GITHUB (FIRST TIME)

```
git init
echo "# PROJECT_NAME" > README.md
git add .
git commit -m "chore: initial commit"
git branch -M main
git remote add origin https://github.com/USERNAME/REPO.git
git push -u origin main
```

## NEXT PUSHES

```
git add -A
git commit -m "feat/fix/chore: message"
git push
```

## 2) CLONE AN EXISTING GITHUB REPO AND PUSH CHANGES

```
cd ~/Desktop/ai_projects
git clone https://github.com/USERNAME/REPO.git
cd REPO
git add -A
git commit -m "feat: change"
git push
```

## 3) DAILY LOOP

```
git status
git pull
# edit files
git add -A
git commit -m "feat/fix/chore: message"
git push
```

## 4) BRANCH WORKFLOW

```
git checkout -b feat/my-change
# edit files
git add -A
git commit -m "feat: my change"
git push -u origin feat/my-change
git checkout main
git pull
git merge feat/my-change
git push
```

## 5) CONNECT LOCAL FOLDER TO EXISTING REMOTE

```
git remote add origin https://github.com/USERNAME/REPO.git
git branch -M main
git push -u origin main
git remote -v
```

## 6) PERSONAL ACCESS TOKEN (HTTPS)

```
git credential-osxkeychain erase
```

## 7) USE SSH INSTEAD OF TOKENS (OPTIONAL)

```
ssh-keygen -t ed25519 -C "you@example.com"
eval "$(ssh-agent -s)"
ssh-add --apple-use-keychain ~/.ssh/id_ed25519
pbcopy < ~/.ssh/id_ed25519.pub
git remote set-url origin git@github.com:USERNAME/REPO.git
```

## 8) COMMON STATUS AND HISTORY

```
git status
git log --oneline --graph --decorate --all
git diff
```

```
git diff --staged
git show HEAD
```

```
9) FIX COMMON MISTAKES
rm -rf ~/.git
git reset
git reset --soft HEAD~1
git checkout -- path/to/file
git reset --hard HEAD
```

```
10) .GITIGNORE EXAMPLE
node_modules/
.env
.DS_Store
```

```
11) COMMIT MESSAGE FORMAT
feat: add new feature
fix: correct a bug
chore: maintenance or config
docs: documentation change
refactor: restructure code
test: add or update tests
```

```
12) UPDATE LOCAL MAIN BEFORE NEW WORK
git checkout main
git pull
git checkout -b feat/new-work
```