

GIT COMMAND

1. git config

Set your name and email in Git.

- Global name: `git config --global user.name "swathi"`
- Local email: `git config user.email "swathi@gmail.com"`

2. git init

Start a new Git repo in a folder.

- `git init`

3. git clone

Copy an existing repo to your system.

- `git clone [repo URL]`

4. git add

Move changes to the staging area.

- Single file: `git add [file]`
- All files: `git add .`

5. git commit

Save staged changes with a message.

- Normal: `git commit -m "message"`
- Add and commit unstaged changes: `git commit -a`

6. git diff

See file differences before committing.

- Unstaged: `git diff`
- Staged: `git diff --staged`
- Between branches: `git diff branch1 branch2`

7. `git status`

Check file status in your repo.

- `git status`

8. `git reset`

Unstage files or undo commits.

- Unstage file: `git reset`
- Undo commit: `git reset [commit ID]`

9. `git rm`

Remove a file and stage the deletion.

- `git rm [file]`

10. `git log`

View commit history.

- `git log`

11. `git show`

View details of a specific commit.

- `git show [commit ID]`

12. `git tag`

Add a tag to a commit.

- `git tag [tag-name] [commit ID]`

13. `git branch`

Create, list, or delete branches.

- New branch: `git branch [branch-name]`
- Delete: `git branch -d [branch-name]`

14. `git checkout`

Switch between branches.

- **Switch:** `git checkout [branch]`
- **Create & switch:** `git checkout -b [branch]`

15. `git merge`

Combine changes from one branch to another.

- `git merge [branch]`

16. `git remote`

Connect to a remote repo.

- `git remote add origin [URL]`

17. `git push`

Send your commits to the remote repo.

- `git push origin main`

18. `git pull`

Bring in changes from remote to your local repo.

- `git pull origin main`

19. `git stash`

Temporarily save uncommitted changes.

- **Save:** `git stash`
- **List:** `git stash list`
- **Delete latest:** `git stash drop`

20. `git fsck`

Check for problems in the G