

## Git GitHub: Full Workflow Cheat Sheet (Sanskriti)

Last updated: Aug 20, 2025

## Git GitHub: Full Workflow Cheat Sheet (Sanskriti)

Last updated: Aug 20, 2025

### USE CASE

- Push a local folder (with PDFs, .py, etc.) to an existing GitHub repo.
- Handles the remote contains work you do not have locally error safely.

### STEP 1 Initialize Git (only if the folder isnt a repo yet)

```
git init
```

### STEP 2 Set your identity (one-time per machine; use your GitHub email)

```
git config --global user.name "Sanskriti"
```

```
git config --global user.email "YOUR_GITHUB_EMAIL@example.com"
```

(Optional, only for this repo)

```
git config user.name "Sanskriti"
```

```
git config user.email "YOUR_GITHUB_EMAIL@example.com"
```

### STEP 3 Add & Commit your files

```
git add .
```

```
git commit -m "Initial commit"
```

### STEP 4 Use GitHubs default branch name

```
git branch -M main
```

### STEP 5 Connect to your GitHub repo

```
git remote add origin https://github.com/Sanskriti-source/documents-basics-exploration.git
```

If you see remote origin already exists, run:

```
git remote set-url origin https://github.com/Sanskriti-source/documents-basics-exploration.git
```

### STEP 6 Sync with GitHub first (important if the GitHub repo already has files like README)

```
git pull origin main --allow-unrelated-histories
```

(Skip editor by autoadding a message)

```
git pull origin main --allow-unrelated-histories -m "Merge remote with local"
```

### STEP 7 Push your code

```
git push origin main
```

### IF YOU GET ERRORS

#### A) rejected: fetch first / remote contains work

```
git fetch origin
```

```
git pull origin main --allow-unrelated-histories
```

```
git push origin main
```

#### B) src refspec main/master does not match any (you havent committed yet)

```
git add .
```

```
git commit -m "Initial commit"
```

```
git push origin main
```

#### C) Please complete authentication in your browser

- Log into GitHub in your browser when prompted, then push again.

#### D) Force push (OVERWRITES GitHub use only if you are sure)

```
git push origin main --force
```