

Git Workflow: Commands Summary by ChatGPT for Aniket

1. Git Configuration (One-time Setup)

```
git config --global user.name "Your Name"
```

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

2. Generate SSH Key & Add to GitHub

```
ssh-keygen -t ed25519 -C "your_email@example.com"
```

```
cat ~/.ssh/id_ed25519.pub # Copy and add to GitHub SSH Keys
```

3. Clone Repository

```
git clone git@github.com:your-username/your-repo.git
```

4. Create New File & Push to GitHub

```
cd your-repo-folder
```

```
echo "content" > filename.txt
```

```
git add filename.txt
```

```
git commit -m "Added filename.txt"
```

```
git push origin main
```

5. Pull Latest Changes

```
git pull origin main
```

6. Branching

```
git branch # Check current branch
```

```
git checkout -b new-branch-name # Create & switch to new branch
```

7. Merge Branch into Main

```
git checkout main
```

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git merge new-branch-name

git push origin main

8. Resolve Push Error (Rejected)

git pull origin main --rebase

git push origin main

9. Extra Commands

git status # Check changes

git log # Commit history

git remote -v # Check connected remotes

git merge --abort # Cancel a merge