

Basic Github Usage (Mac)

1. **Generate personal access token:** Generate a “personal access token (classic)” using the following instructions: <https://docs.github.com/en/authentication/keeping-your-account-and-data-secure/creating-a-personal-access-token>
2. **Clone repository to local machine:** Open Terminal, navigate to the directory where you want to store the repository. Then, run `git clone` as follows:

```
git clone https://github.com/HardikJain98/ML_Project.git
```

You will be prompted to log in. Provide your username, and your access token as the password.
3. **Navigate into repository directory:** Use the `cd` command as follows:

```
cd ML_Project
```
4. **Create new branch for edits:** Use `git checkout` as follows:

```
git checkout -b <branch-name>
```

Replace `<branch-name>` with a descriptive branch name. This command creates a new branch *and* switches your local repository to that branch.
5. **Make changes** to the code or files in the repository.
6. **Staging changes for commit:** Once changes are made, use `git add` as follows:

```
git add <file1> <file2> ...
```

Replace `<file1>`, `<file2>`, etc. with the names of the files to stage.
7. **Commit changes:** Use `git commit` as follows:

```
git commit -m <commit-message>
```

Replace `<commit-message>` with a short, descriptive summary of changes made, enclosed in “ ”.
8. **Push changes to remote repository:** Use `git push` as follows:

```
git push origin <branch-name>
```

This will push your changes to the branch `<branch-name>` created in Step 3.
9. **Create a pull request:**
 - a) Go to https://github.com/HardikJain98/ML_Project
 - b) Click on the “Pull requests” tab, click the “New pull request” button.
 - c) Select the branch you just pushed from and the branch to merge into (master).
 - d) Add a description of changes, review and confirm changes, then submit request.
10. **Other helpful commands:**
 - a) `git status`: Shows the status of your local repository, including any changes that have been made, but not committed.
 - b) `git log`: Shows a history of commits for the current branch.
 - c) `git diff`: Shows the differences between the current state of the repository and the last commit.
 - d) `git branch`: Shows a list of all branches in the repository, with the current branch highlighted.