

Step-by-Step Git Commands Execution:

Initialize a Git repository:

```
git init
```

Creates a new Git repository in the folder `24MCR025`.

Add a file to staging area:

```
git add 24MCR025.txt
```

Adds `24MCR001.txt` to the staging area.

Commit the file:

```
git commit -m "Added Personal Details"
```

Creates a commit with the message "Added Personal Details".

Check Git status:

```
git status
```

Shows that `24MCR025.txt` has been modified but not staged.

View commit log:

```
git log
```

Displays the commit history (one commit at this point).

Add remote GitHub repository:

```
git remote add origin https://github.com/ghauthamm/24MCR025.git
```

Links the local repository to a remote GitHub repo.

Check current branch:

```
git branch
```

Shows the current branch is `master`.

Rename branch from master to main:

```
git branch -M main
```

Renames the current branch to `main`.

Set Git global config for email and username:

```
git config --global user.email "ghauthamms@gmail.com"
```

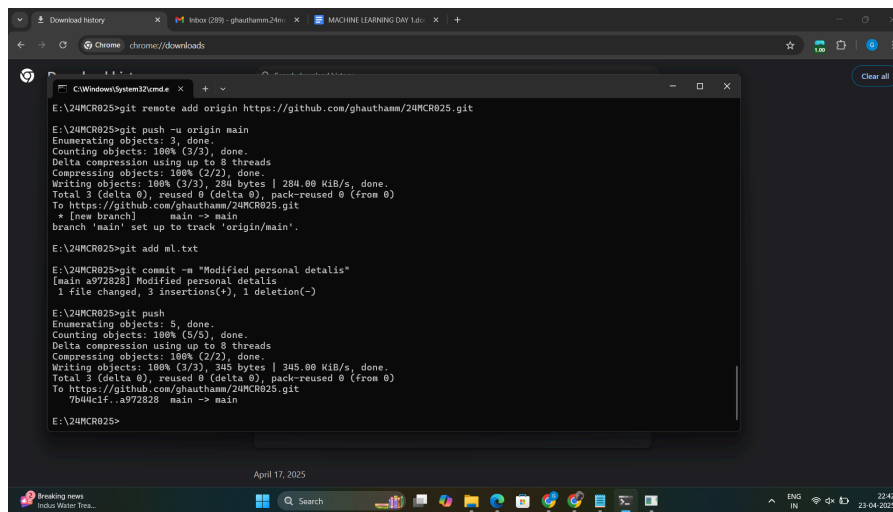
```
git config --global user.name "ghauthamm"
```

Sets your global Git identity.

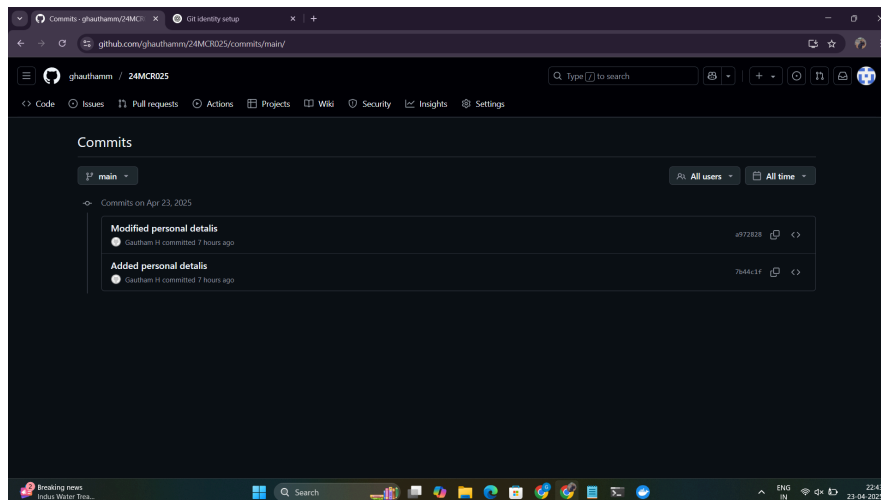
Push code to remote repo for the first time:

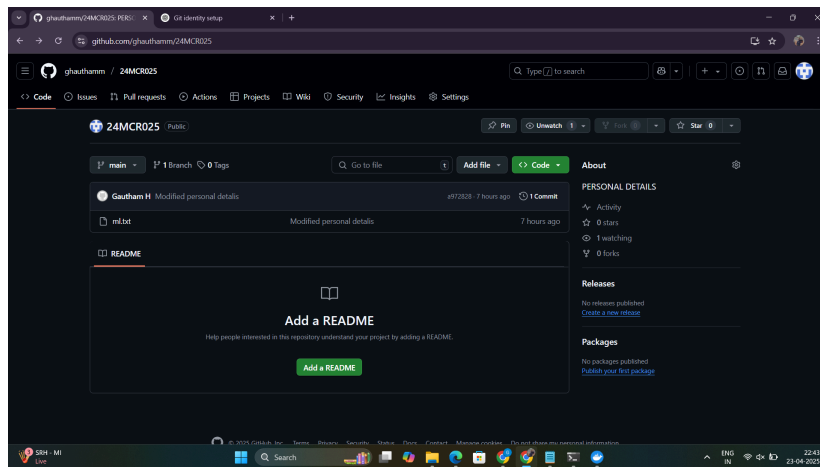
```
git push -u origin main
```

Pushes the `main` branch to GitHub and sets upstream tracking.



```
E:\24MCR025>git remote add origin https://github.com/ghauthamm/24MCR025.git
E:\24MCR025>git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 284 bytes | 284.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/ghauthamm/24MCR025.git
 * [new branch]    main -> main
branch 'main' set up to track 'origin/main'.
E:\24MCR025>git add ml.txt
E:\24MCR025>git commit -m "Modified personal details"
[main a972828] Modified personal details
1 file changed, 3 insertions(+), 1 deletion(-)
E:\24MCR025>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 345 bytes | 345.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/ghauthamm/24MCR025.git
 7b4dc1f..a972828  main -> main
E:\24MCR025>
```





Then , Again We will Modify or add new file means we need to follow the same steps, like

git add .

git commit -m "message"

git push origin main