

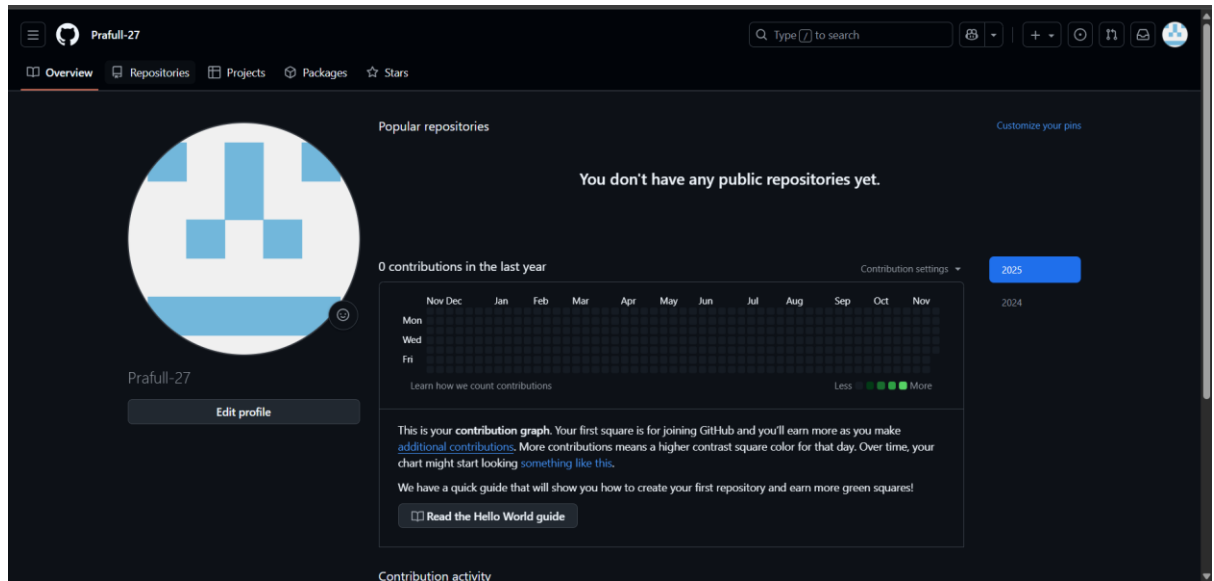
School of Computer Science, Engineering and Applications(SCSEA)
B.Tech FIY (CCSA)
Subject : Cloud Automation & Devops (P)

Name of the Student: Pratik.M.Rebari

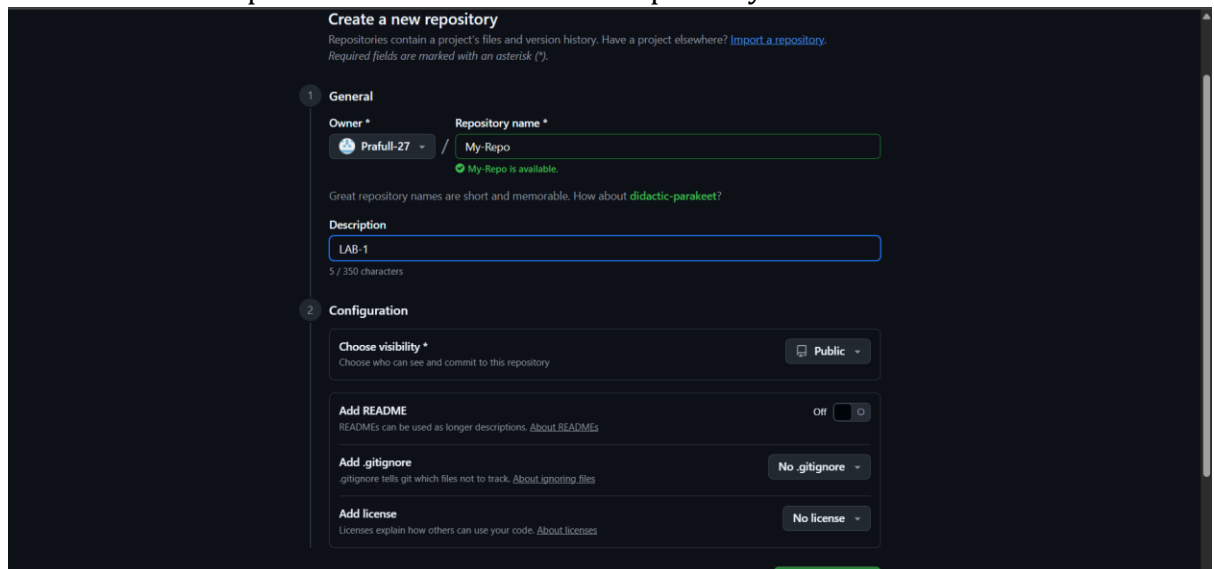
PRN: 20220802183

Title of Practicle : 1. Git workflow with branching, merging, and pull requests

1. Create account on GitHub



2. Then Go to Repositories and Create New Repository



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3. Now Clone This repository with Your system (ec2-instance).

\$ git clone <https://github.com/Prafull-27/My-Repo.git>

```
ec2-user@ip-172-31-78-23~$
Complete!
[ec2-user@ip-172-31-78-23 ~]$
[ec2-user@ip-172-31-78-23 ~]$ git clone https://github.com/Prafull-27/My-Repo.git
Cloning into 'My-Repo'...
warning: You appear to have cloned an empty repository.
[ec2-user@ip-172-31-78-23 ~]$
```

4. Now our pwd to repository .

```
[ec2-user@ip-172-31-78-23 ~]$ cd My-Repo/
[ec2-user@ip-172-31-78-23 My-Repo]$
```

5. Now Create New Branch.

```
[ec2-user@ip-172-31-78-23 My-Repo]$ git checkout -b feature-branch
Switched to a new branch 'feature-branch'
[ec2-user@ip-172-31-78-23 My-Repo]$
```

6. Make changes in your branch:

Edit or create any file.

```
[ec2-user@ip-172-31-78-23 My-Repo]$ echo "Hello Git Workflow" > file.txt
[ec2-user@ip-172-31-78-23 My-Repo]$ cat file.txt
Hello Git Workflow
[ec2-user@ip-172-31-78-23 My-Repo]$
```

7. Add and commit your changes

```
[ec2-user@ip-172-31-78-23 My-Repo]$ git commit -m "Added file.txt in feature branch"
[feature-branch (root-commit) 376062c] Added file.txt in feature branch
Committer: EC2 Default User <ec2-user@ip-172-31-78-23.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+)
create mode 100644 file.txt
[ec2-user@ip-172-31-78-23 My-Repo]$
```

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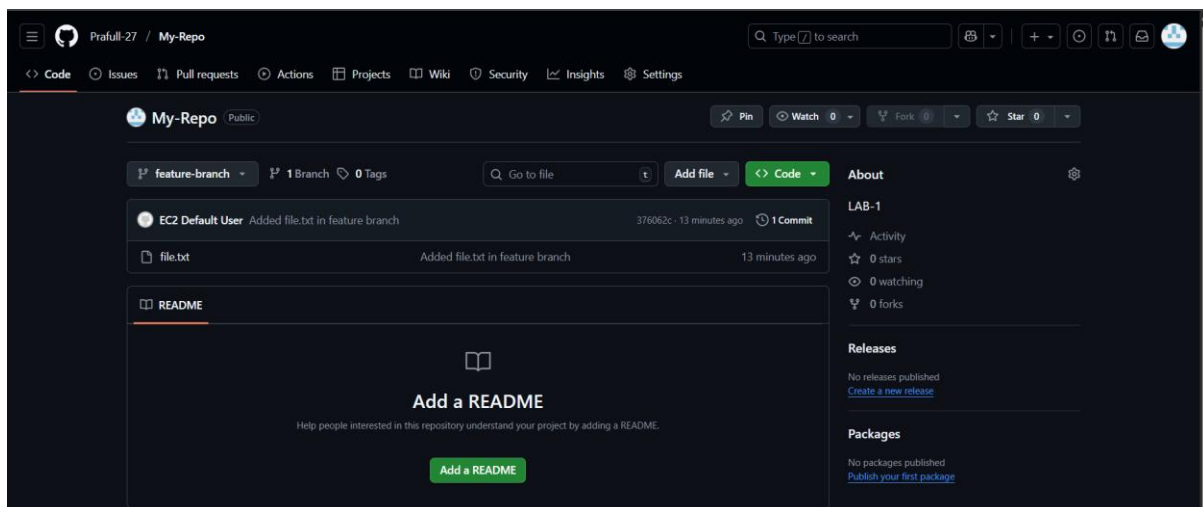
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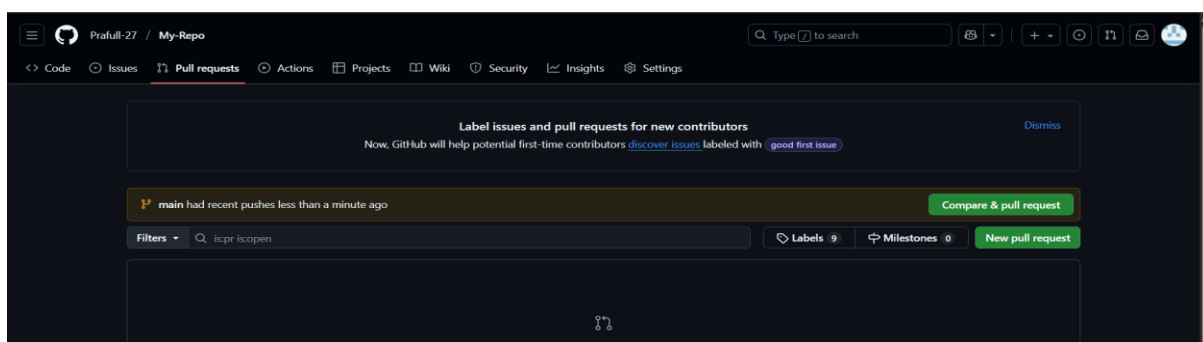
8. Push your branch to GitHub

```
[ec2-user@ip-172-31-78-23 My-Repo]$ git push -u origin feature-branch
Username for 'https://github.com': Prafull-27
Password for 'https://Prafull-27@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 263 bytes | 263.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Prafull-27/My-Repo.git
 * [new branch]      feature-branch -> feature-branch
branch 'feature-branch' set up to track 'origin/feature-branch'.
[ec2-user@ip-172-31-78-23 My-Repo]$ ls
file.txt
```

9. Create Pull Request (PR)
Go to your GitHub repo



You will see a **Compare & Pull Request** button → click it



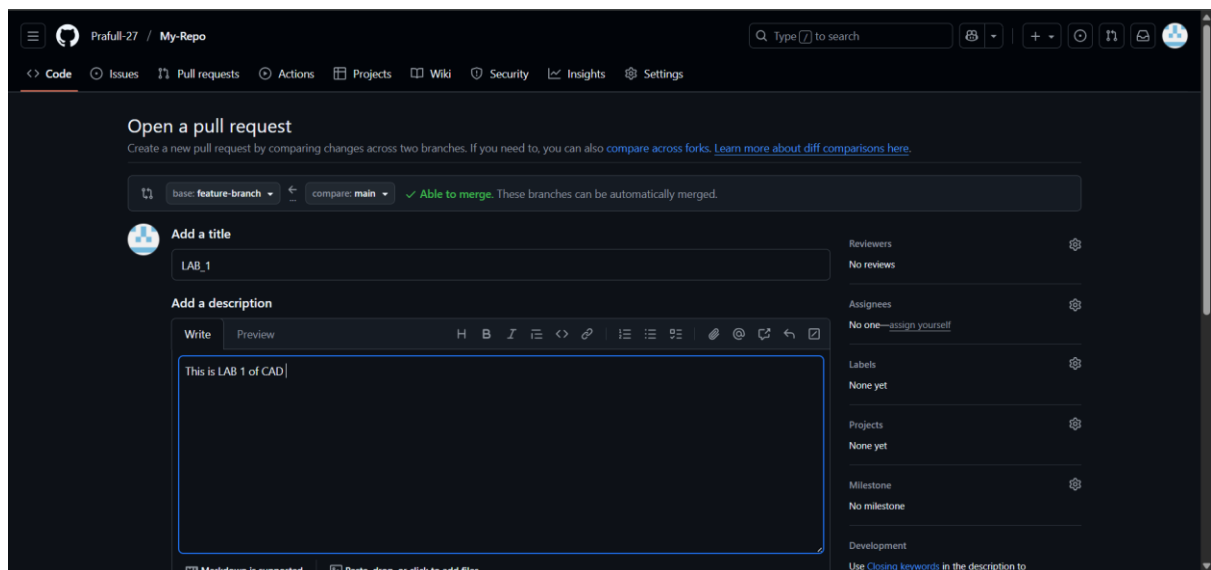
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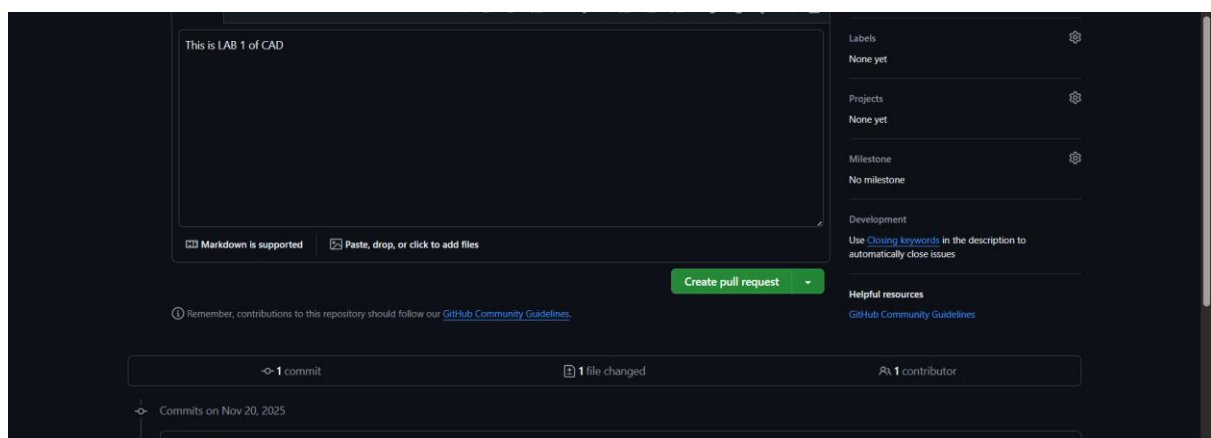
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Add a title and description



Click Create Pull Request



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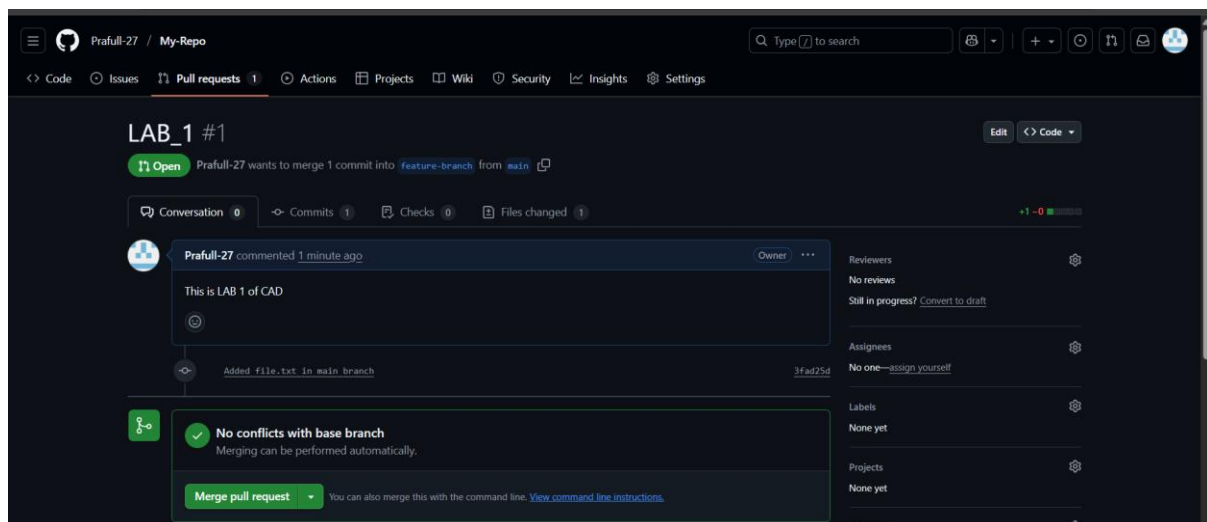
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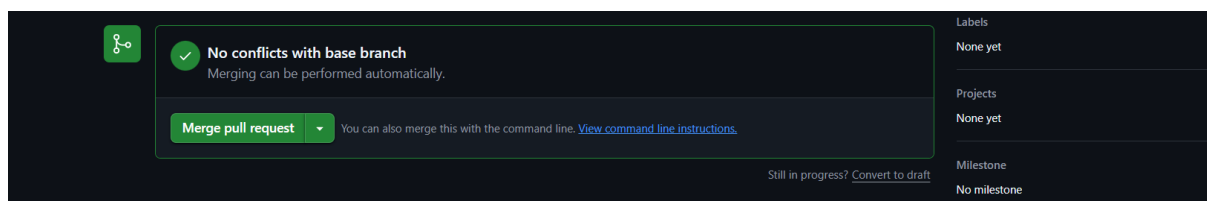
10.Review and Merge PR

On GitHub:

1. Open the PR



2. Click Merge Pull Request



3. Then click Confirm Merge

