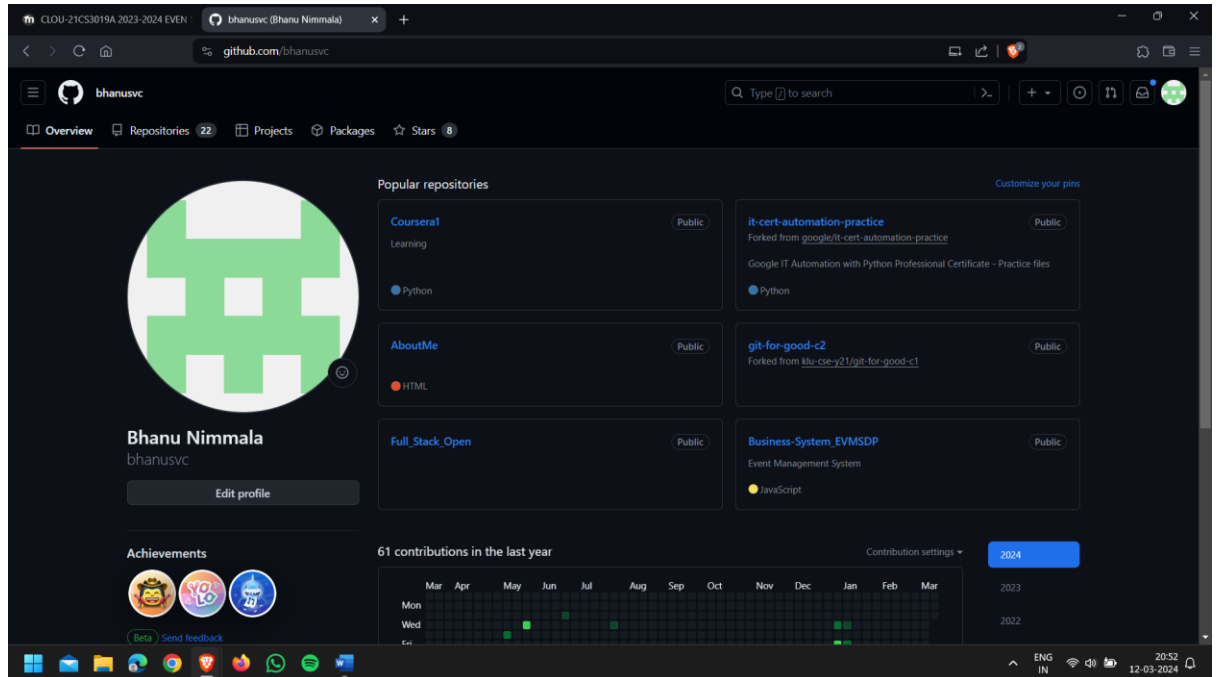


2100032449

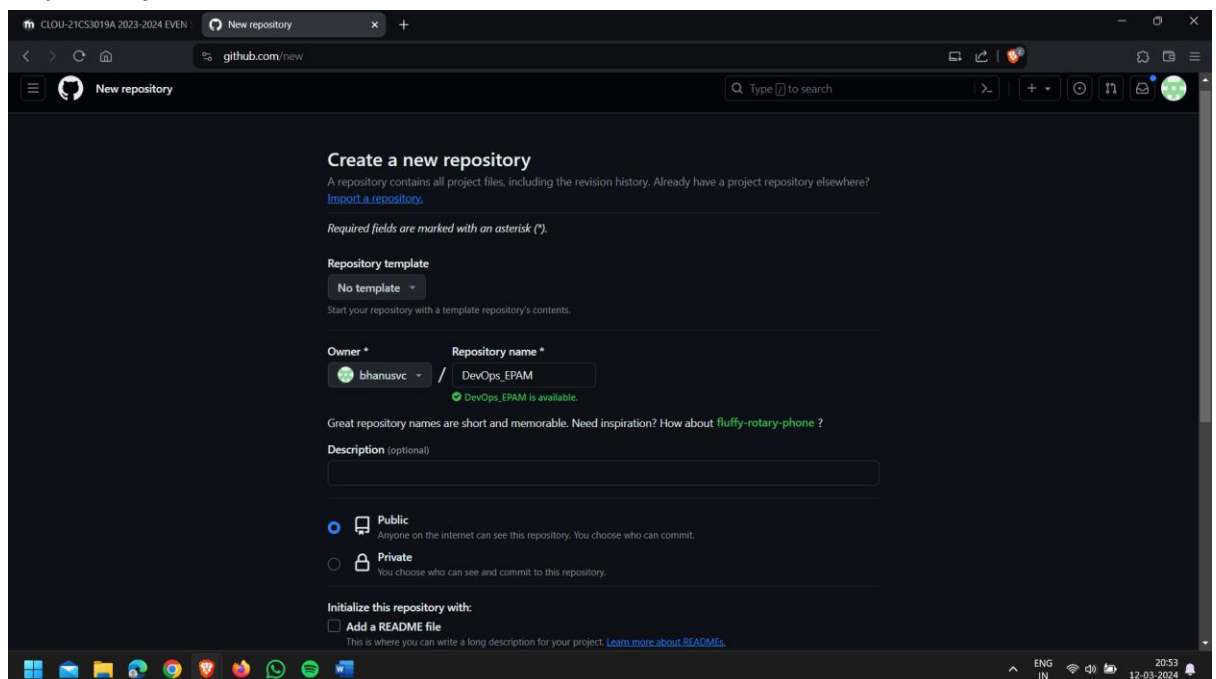
N. Bhanu Satya Venkatachalam

GIT

1. Git Account (After Creation)

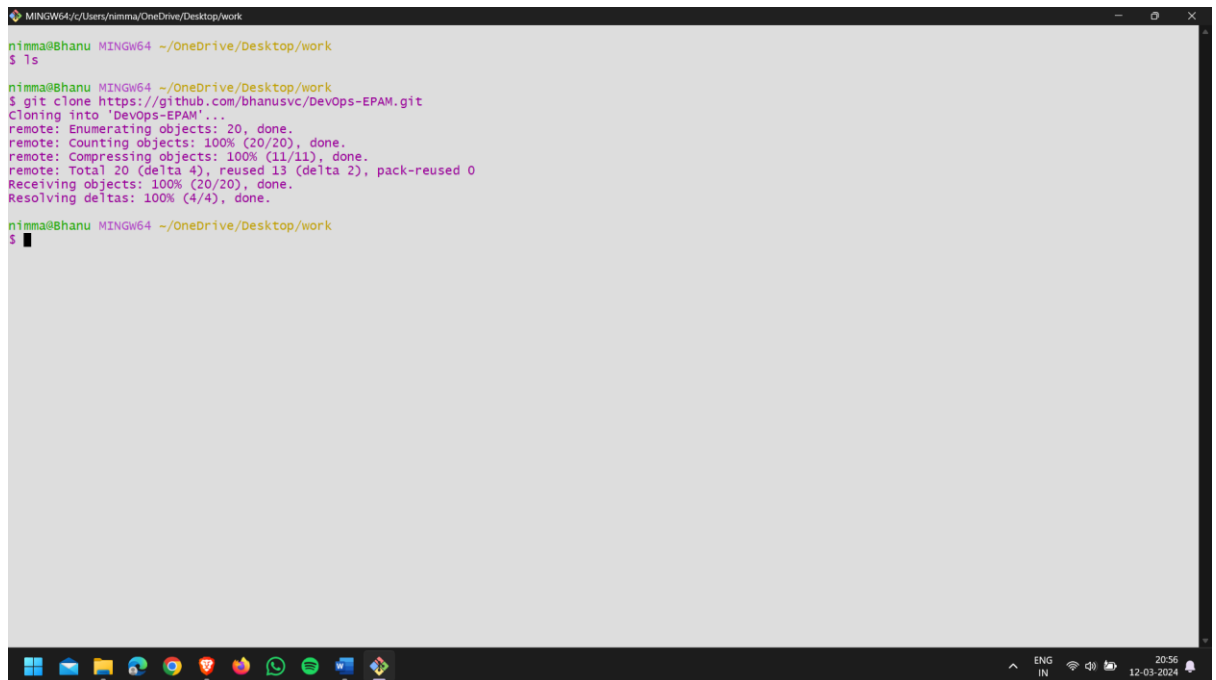


2. Repository Creation



3. To work on Local System we can clone the repo using

git clone <https://github.com/bhanusvc/DevOps-EPAM.git> - url



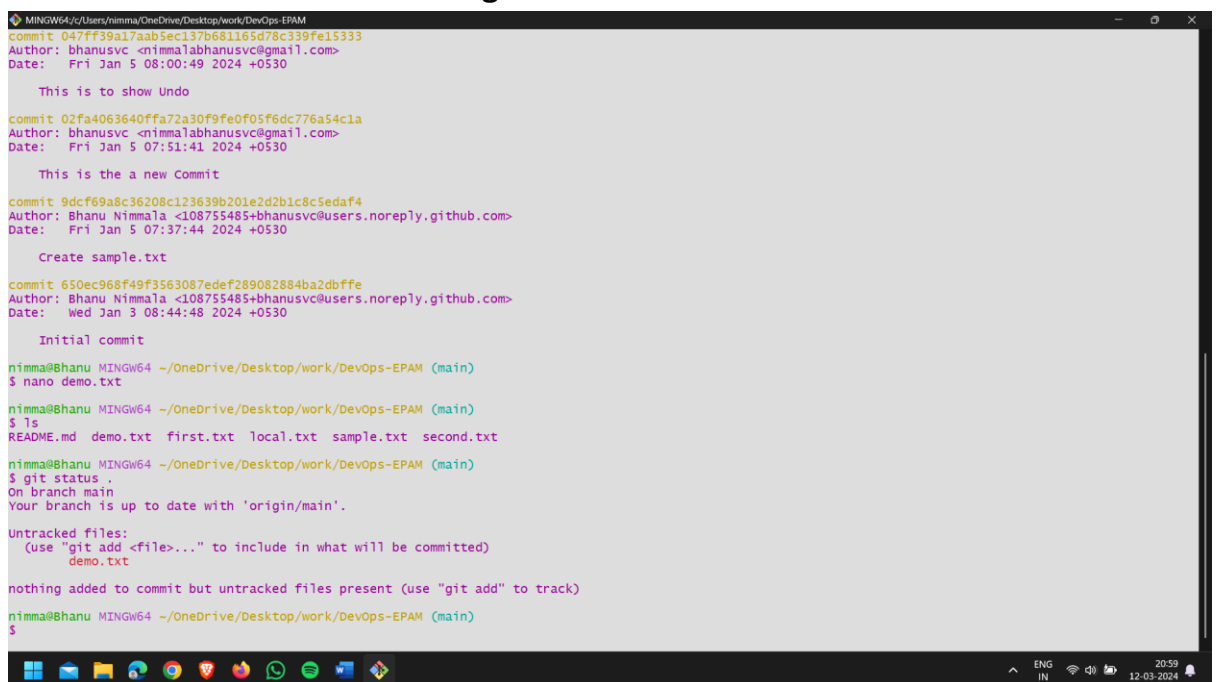
```
MINGW64~/Users/nimma/OneDrive/Desktop/work
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work
$ ls

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work
$ git clone https://github.com/bhanusvc/DevOps-EPAM.git
Cloning into 'DevOps-EPAM'...
remote: Enumerating objects: 20, done.
remote: Counting objects: 100% (20/20), done.
remote: compressing objects: 100% (11/11), done.
remote: Total 20 (delta 4), reused 13 (delta 2), pack-reused 0
Receiving objects: 100% (20/20), done.
Resolving deltas: 100% (4/4), done.

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work
$
```

4. Now work on it as much as you want.

5. To check for status use Command **git status** .



```
MINGW64~/Users/nimma/OneDrive/Desktop/work/DevOps-EPAM
commit 047ff39a17aab5ec137b681165d78c339fe15333
Author: bhanusvc <nimma1abhanusvc@gmail.com>
Date: Fri Jan 5 08:00:49 2024 +0530

    This is to show Undo

commit 02fa4063640ffa72a30f9fe0f05f6dc776a54c1a
Author: bhanusvc <nimma1abhanusvc@gmail.com>
Date: Fri Jan 5 07:51:41 2024 +0530

    This is the a new Commit

commit 9dcf69a8c36208c123639b201e2d2b1c8c5edaf4
Author: Bhanu Nimma1a <108755485+bhanusvc@users.noreply.github.com>
Date: Fri Jan 5 07:37:44 2024 +0530

    Create sample.txt

commit 650ec968f49f3563087edef289082884ba2dbffe
Author: Bhanu Nimma1a <108755485+bhanusvc@users.noreply.github.com>
Date: Wed Jan 3 08:44:48 2024 +0530

    Initial commit

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ nano demo.txt

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ ls
README.md demo.txt first.txt local.txt sample.txt second.txt

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    demo.txt

nothing added to commit but untracked files present (use "git add" to track)

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$
```

6. To add it versioning use **git add ***.

```
MINGW64/c:/Users/nimma/OneDrive/Desktop/work/DevOps-EPAM
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ ls
README.md demo.txt first.txt local.txt sample.txt second.txt
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    demo.txt

nothing added to commit but untracked files present (use "git add" to track)
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git add *
> AC
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git add *
warning: in the working copy of 'demo.txt', LF will be replaced by CRLF the next time Git touches it
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ nano new.txt
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git add *
warning: in the working copy of 'new.txt', LF will be replaced by CRLF the next time Git touches it
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   demo.txt
    new file:   new.txt

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$
```

7. To save the changes use command **git commit -m "message"**

```
MINGW64/c:/Users/nimma/OneDrive/Desktop/work/DevOps-EPAM
  (use "git add <file>..." to include in what will be committed)
    demo.txt

nothing added to commit but untracked files present (use "git add" to track)
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git add *
> AC
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git add *
warning: in the working copy of 'demo.txt', LF will be replaced by CRLF the next time Git touches it
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ nano new.txt
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git add *
warning: in the working copy of 'new.txt', LF will be replaced by CRLF the next time Git touches it
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   demo.txt
    new file:   new.txt

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git push origin main
Everything up-to-date

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git commit -m "This is a commit"
[main 29d18f0] This is a commit
 2 files changed, 2 insertions(+)
 create mode 100644 demo.txt
 create mode 100644 new.txt

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$
```

8. To make the changes from local system to git use the **git push origin main** command

```
MINGW64/c:/Users/nimma/OneDrive/Desktop/work/DevOps-EPAM
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ nano new.txt

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git add *
warning: in the working copy of 'new.txt', LF will be replaced by CRLF the next time Git touches it

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   demo.txt
        new file:   new.txt

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git push origin main
Everything up-to-date

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git commit -m "This is a commit"
[main 29d18f0] This is a commit
 2 files changed, 2 insertions(+)
 create mode 100644 demo.txt
 create mode 100644 new.txt

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git push origin main
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% (4/4), 313 bytes | 313.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/bhanusvc/devOps-EPAM.git
   381960b..29d18f0  main -> main

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$
```

9. We can also check the logs using **git log** command.
And one line logs using command **git log --oneline**.

```
MINGW64/c:/Users/nimma/OneDrive/Desktop/work/DevOps-EPAM
nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git log --oneline
29d18f0 (HEAD -> main, origin/main, origin/HEAD) This is a commit
381960b This is to merge branches
71fe154 (origin/sample2, origin/sample1) Revert "This is to show Undo"
047ff39 This is to show Undo
02fa406 This is the a new Commit
9dcf69a Create sample.txt
650ec96 Initial commit

nimma@Bhanu MINGW64 ~/OneDrive/Desktop/work/DevOps-EPAM (main)
$ git log
commit 29d18f0c3dd7fe9aba4cbafc29f005b63cf7d32c (HEAD -> main, origin/main, origin/HEAD)
Author: bhanusvc <nimma1abhanusvc@gmail.com>
Date: Tue Mar 12 21:02:28 2024 +0530

    This is a commit

commit 381960be906fad3e469a8030eda8ce2cac75d9e2
Author: bhanusvc <nimma1abhanusvc@gmail.com>
Date: Wed Jan 10 08:29:49 2024 +0530

    This is to merge branches

commit 71fe1549513b03dab96abf4cb9c7e8ef0e70d39d (origin/sample2, origin/sample1)
Author: bhanusvc <nimma1abhanusvc@gmail.com>
Date: Fri Jan 5 08:04:18 2024 +0530

    Revert "This is to show Undo"

    This reverts commit 047ff39a17aab5ec137b681165d78c339fe15333.

commit 047ff39a17aab5ec137b681165d78c339fe15333
Author: bhanusvc <nimma1abhanusvc@gmail.com>
Date: Fri Jan 5 08:00:49 2024 +0530

    This is to show Undo

commit 02fa4063640ffa72a30f9fe0f05f6dc776a54c1a
Author: bhanusvc <nimma1abhanusvc@gmail.com>
Date: Fri Jan 5 07:51:41 2024 +0530

    This is the a new Commit
```