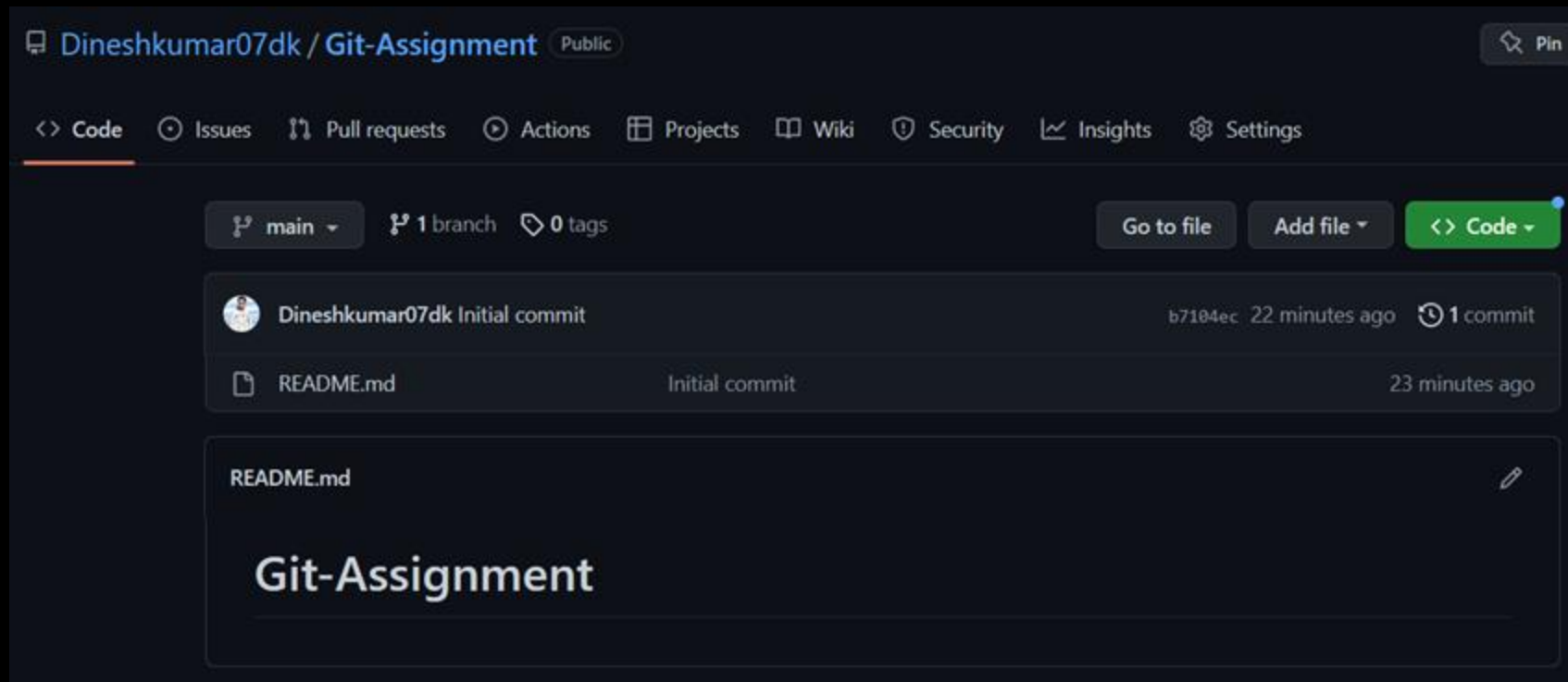


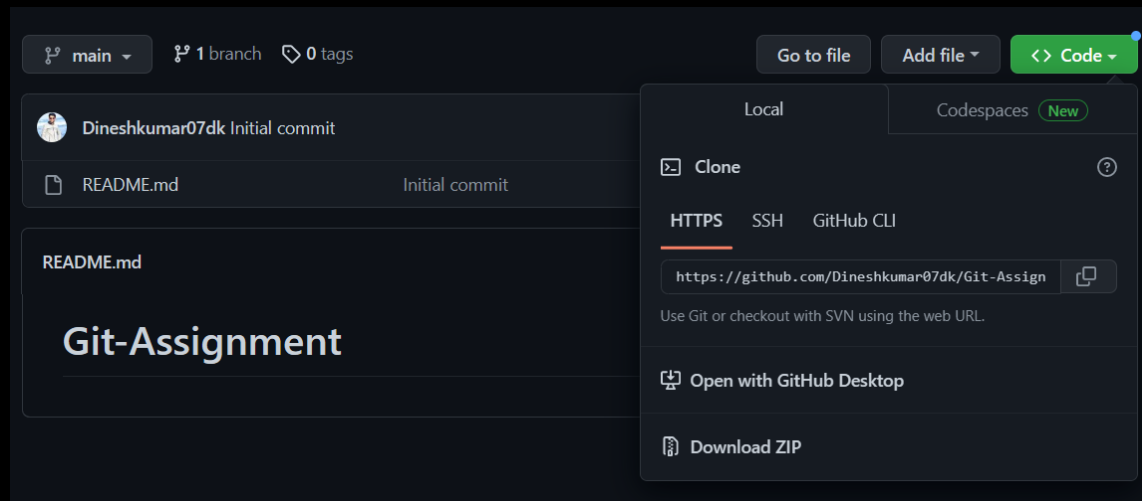
An abstract digital graphic on the left side of the image. It features several 3D cubes and rectangular prisms in a dark blue and purple color palette. The surfaces of these shapes are covered in a pattern of small, glowing white dots, resembling binary code or a digital grid. Bright, glowing points of light in shades of blue, green, and yellow are scattered across the scene, some appearing to emanate from the shapes. Thin, glowing lines connect some of these points, creating a sense of connectivity or data flow. The overall effect is a futuristic, high-tech aesthetic.

GIT Assignment-1

Created a Repository Named Git-Assignment



Got a copy of remote repository into the local by coping git url code, cloned into the local machine using git clone command



```
MINGW64:/c/Users/Dinesh Kumar/Downloads/DineshGit  
Dinesh_Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit (master)  
$ git clone https://github.com/Dineshkumar07dk/Git-Assignment.git
```

Created a new branch called "development" branch using git branch command

```
MINGW64:/c/Users/Dinesh Kumar/Downloads/DineshGit/Gitassignment/Git-Assignment

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)
$ git branch
* main

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)
$ git branch development

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)
$ git branch
  development
* main

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)
$
```

Switched to development branch, created a new file, staged & committed

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)
$ git switch development
Switched to branch 'development'

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (development)
$ cat >> file.txt
this is the first file in development branch
this is created in git assignment

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (development)
$ git status
On branch development
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    file.txt

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

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (development)
$ git add .
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (development)
$ git status
On branch development
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   file.txt

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (development)
$ git commit -m "first commit"
[development 312af9a] first commit
1 file changed, 2 insertions(+)
create mode 100644 file.txt
```

Pushed the code to the remote repository using git push origin command

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (development)
$ git push origin development
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 341 bytes | 341.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'development' on GitHub by visiting:
remote:   https://github.com/Dineshkumar07dk/Git-Assignment/pull/new/development
remote:
To https://github.com/Dineshkumar07dk/Git-Assignment.git
 * [new branch]      development -> development
```

Merged development branch to the main branch

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)
$ git merge development
Updating b7104ec..312af9a
Fast-forward
 file.txt | 2 ++
1 file changed, 2 insertions(+)
create mode 100644 file.txt
```

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)  
$ git tag v1.0
```

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)  
$ git tag  
v1.0
```

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)  
$ git push origin v1.0  
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0  
To https://github.com/Dineshkumar07dk/Git-Assignment.git  
* [new tag] v1.0 -> v1.0
```

Tagged the latest commit on the main branch
with a version number & push to remote

Create another branch for a new feature and switch to that branch.
Made some changes to the file in the new branch

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)
$ git branch feature
```

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)
$ git switch feature
Switched to branch 'feature'
```

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (feature)
$ ls
README.md  file.txt
```

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (feature)
$ vi file.txt
```

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (feature)
$ cat file.txt
this is the first file in feature branch
this is created in git assignment
```

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (feature)
$
```

Staged the changes and commit them. Pushed the new branch to the remote repository

```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (feature)
$ git status
On branch feature
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   file.txt

no changes added to commit (use "git add" and/or "git commit -a")

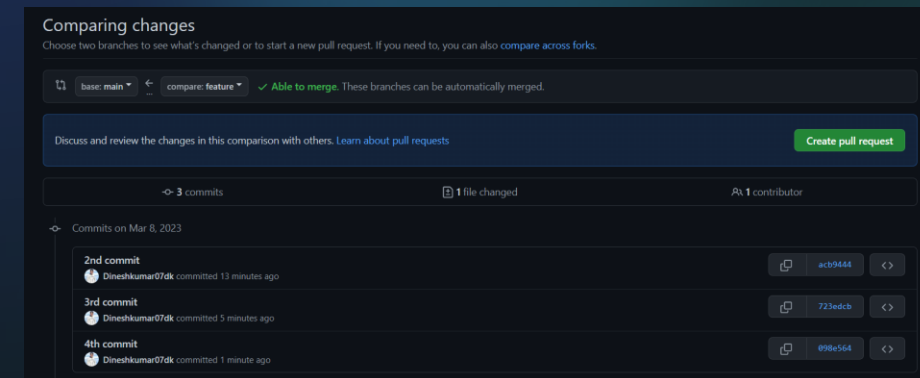
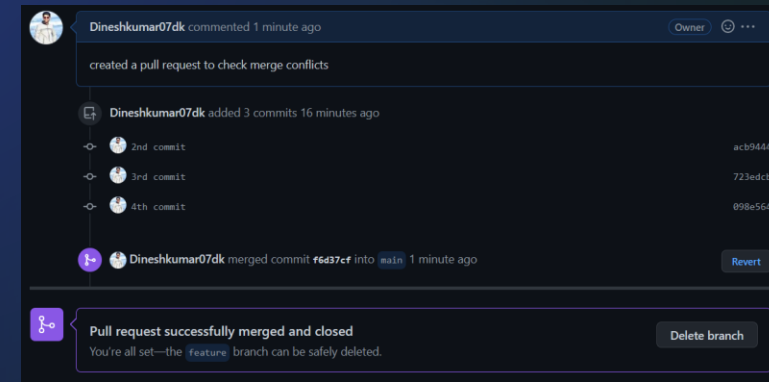
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (feature)
$ git add .

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (feature)
$ git status
On branch feature
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   file.txt

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (feature)
$ git commit -m "2nd commit"
[feature acb9444] 2nd commit
1 file changed, 1 insertion(+), 1 deletion(-)

Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (feature)
$ git push origin feature
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 336 bytes | 336.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'feature' on GitHub by visiting:
remote:   https://github.com/Dineshkumar07dk/Git-Assignment/pull/new/feature
remote:
To https://github.com/Dineshkumar07dk/Git-Assignment.git
 * [new branch]      feature -> feature
```

Opened a pull request to merge
the feature branch into the main
branch.
and merged the pull request
after that deleted the feature
branch



```
Dinesh Kumar@MLI01188 MINGW64 ~/Downloads/DineshGit/Gitassignment/Git-Assignment (main)
$ git branch -d feature
Deleted branch feature (was 098e564).
```