Rushabh Pawnikar

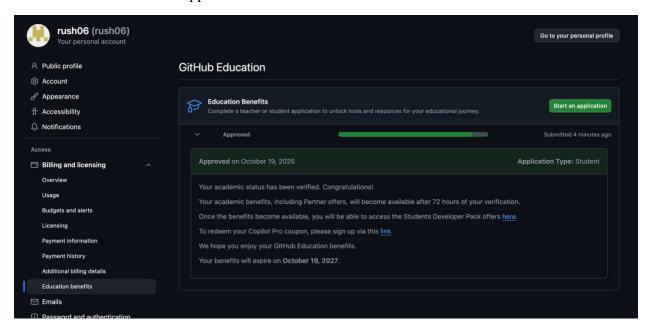
**ASTE 404** 

Professor Depew

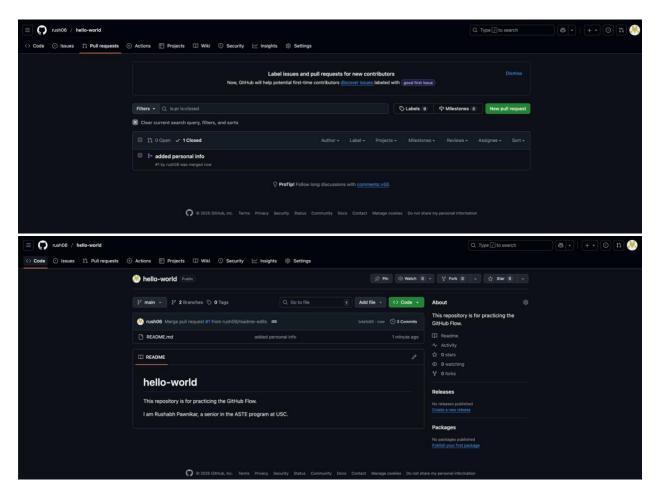
October 19th, 2025

## **HW4** Report

- 1. GitHub + IDE Workflow
  - a. Education Application



b. Tutorial



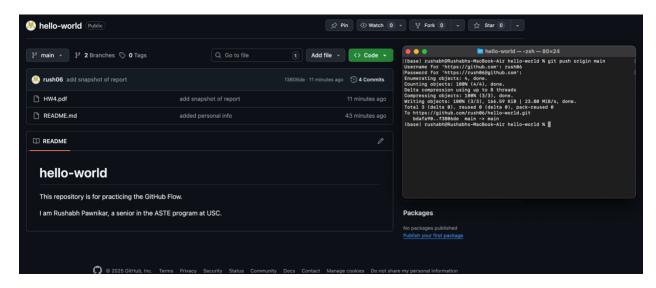
## c. Notes on Version Control

- i. I've worked with git before at my internship at Ursa Major. They taught us how to use the internal repositories and how version control helps them track their testing.
- ii. Seeing a formalized definition of version control and its importance is good to read about. I know that it helped the workflow in my experience, but for CS and more adept coders than me, it's a lifesaver.
- d. Command Line Setup
- e. Clone Repo Locally

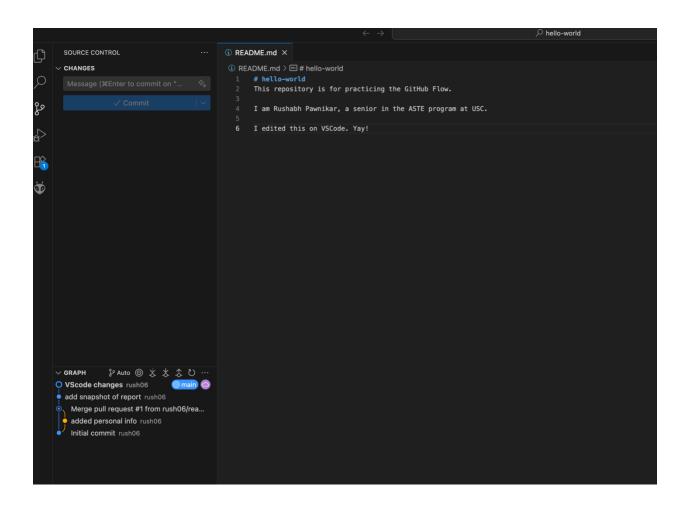
```
HW4 — -zsh — 80×24
Last login: Thu Oct 2 03:53:03 on ttys000
[(base) rushabh@Rushabhs-MacBook-Air ~ % cd '/Users/rushabh/Downloads/ASTE-404 Nu]
merical Methods/HW4'
[(base) rushabh@Rushabhs-MacBook-Air HW4 % git clone https://github.com/rush06/he]
llo-world.git
Cloning into 'hello-world'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 7 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100\% (7/7), done.
Resolving deltas: 100% (1/1), done.
[(base) rushabh@Rushabhs-MacBook-Air HW4 % ls
hello-world
(base) rushabh@Rushabhs-MacBook-Air HW4 %
```

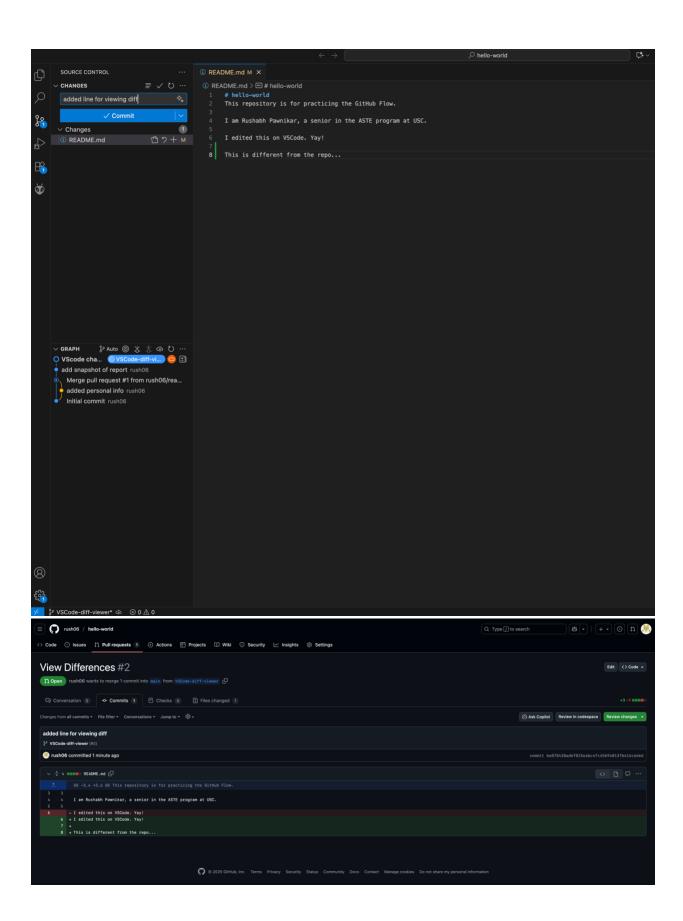
## f. Committing Changes

```
hello-world — -zsh — 80×24
Cloning into 'hello-world'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 7 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (7/7), done.
Resolving deltas: 100% (1/1), done.
[(base) rushabh@Rushabhs-MacBook-Air HW4 % ls
hello-world
[(base) rushabh@Rushabhs-MacBook-Air HW4 % git status
fatal: not a git repository (or any of the parent directories): .git
[(base) rushabh@Rushabhs-MacBook-Air HW4 % cd hello-worl
cd: no such file or directory: hello-worl
[(base) rushabh@Rushabhs-MacBook-Air HW4 % cd hello-world
[(base) rushabh@Rushabhs-MacBook-Air hello-world % 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)
nothing added to commit but untracked files present (use "git add" to track)
(base) rushabh@Rushabhs-MacBook-Air hello-world %
```



g. IDE Integration





## h. Update ReadMe

