

Netaji Subhas University of Technology



AI Hardware and Tools

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UNIT-5 CAPSTONE PROJECT

1) Upload all of your projects in git repository and use git for Devops

Github repository link-<https://github.com/SinghSparsh/AIHT>

Creating a git repository for all capstone projects

```
C:\Windows\System32\cmd.exe X + v
Microsoft Windows [Version 10.0.22631.3296]
(c) Microsoft Corporation. All rights reserved.

C:\Users\spars\Downloads\AIHT>echo "# AIHT_" >> README.md

C:\Users\spars\Downloads\AIHT>git init
Initialized empty Git repository in C:/Users/spars/Downloads/AIHT/.git/

C:\Users\spars\Downloads\AIHT>git add README.md

C:\Users\spars\Downloads\AIHT>git add .
warning: in the working copy of 'UNIT-1/AIHT_FINAL_CAPSTONE_PROJECT_1 (2).ipynb', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'UNIT-2/AIHT_UNIT_2_R.ipynb', LF will be replaced by CRLF the next time Git touches it

C:\Users\spars\Downloads\AIHT>
C:\Users\spars\Downloads\AIHT>git commit -m "first commit"
[master (root-commit) 3092923] first commit
4349 files changed, 3599 insertions(+)
create mode 100644 README.md
create mode 100644 UNIT-1/AIHT_FINAL_CAPSTONE_PROJECT_1 (2).ipynb
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Capstone-4(2021UCA1844).pdf
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/0022d6b7-d47c-4ee2-ae9a-392a53f48647___JR_B.Spot 8964.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/006adb74-934f-448f-a14f-62181742127b___JR_B.Spot 3395.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/00f2e69a-1e56-412d-8a79-fdce794a17e4___JR_B.Spot 3132.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/01613cd0-d3cd-4e96-945c-a312002037bf___JR_B.Spot 3262.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/0169b9ac-07b9-4be1-8b85-da94481f05a4___NREC_B.Spot 9169.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/018e494e-d2eb-468b-9d02-40219d9f4921___JR_B.Spot 9045.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/01940b6d-7dea-4889-a7b8-a35f4e9bba34___NREC_B.Spot 9120.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/01dfb88b-cd5a-420c-b163-51f5fe07b74d___JR_B.Spot 9091.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/01ebc916-4793-40a3-b5e4-a32687e4fa3d___NREC_B.Spot 9125.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/024623ab-be81-4d99-a653-c3be1495ce8e___JR_B.Spot 8889.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/02baf62e-11e2-4dde-97fb-e369b57d55d3___JR_B.Spot 8971.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/032aa7c4-0a95-4f09-b0bb-1242f4f32d82___NREC_B.Spot 1889.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/03bb7042-3fd5-42e1-aa2c-d51d6843704c___JR_B.Spot 8925.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/0448a226-3d3a-494d-a026-a92b048689c7___JR_B.Spot 8897.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/0495b4d4-66a4-438c-862d-c483f08e4a95___JR_B.Spot 3288.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/04d46cfb-9cc8-4083-82af-ca2bb57c8182___NREC_B.Spot 1814.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/05287bcb-610b-440f-9337-c4ce98bc3bbe___JR_B.Spot 3327.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/0558ff5a-45c7-4ea0-9479-3f71f0048208___JR_B.Spot 3183.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/055a84c4-8286-4b44-816a-66b82d3bd4bc___NREC_B.Spot 9105.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Pepper_bell___Bacterial_spot/0576dd21-3958-46a5-ab99-f9865371bd1a___NREC_B.Spot 1957.JPG
```

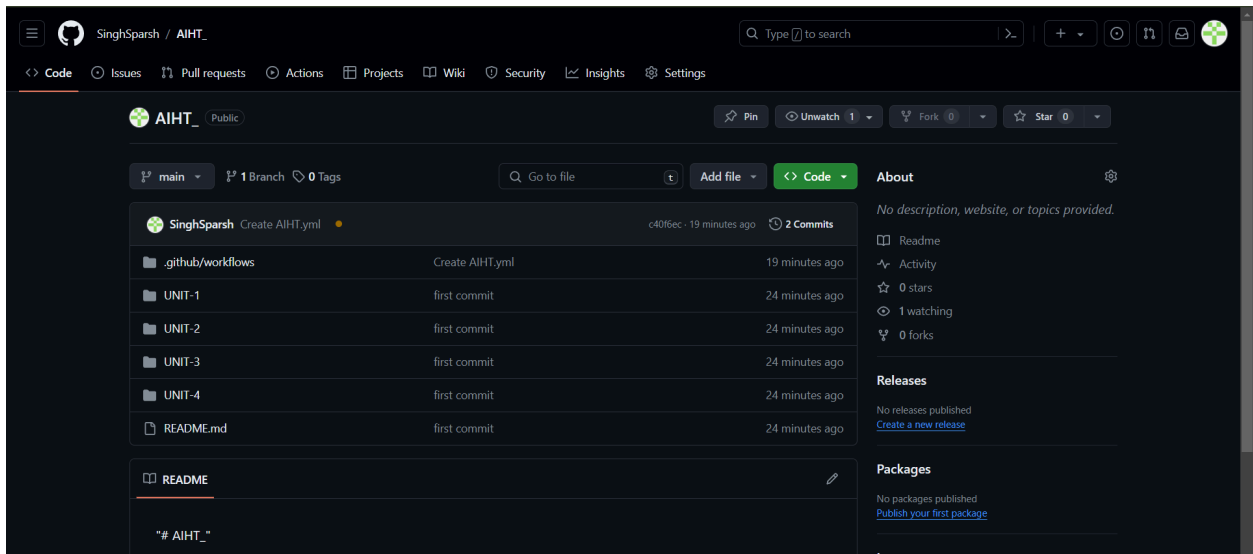
```
C:\Windows\System32\cmd.exe X + v

create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Potato___Late_blight/de282779-9d54-4b8f-8292-e06c3e020e16___RS_LB 3971.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Potato___Late_blight/de54e40d-4c5f-48d9-9b6d-bc96bde09898___RS_LB 4086.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Potato___Late_blight/de63bbba-d8d0-4e74-95d7-6d5adfc0955___RS_LB 3222.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Potato___Late_blight/def9c9e1-fd12-44d9-92ae-18c5ff0f52da___RS_LB 2605.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Potato___Late_blight/df0f75cf-febd-4fde-84a0-7c4da9f97fd2___RS_LB 2534.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Potato___Late_blight/df40ffa7-8efd-4720-8786-a30b9011dcfc___RS_LB 4150.JPG
create mode 100644 UNIT-1/CAPSTONE 1 DATASET/Potato___Late_blight/df5eb1ff-9261-45ab-ae3f-bf942cdf1a72___RS_LB 2947.JPG
create mode 100644 UNIT-2/AIHT_UNIT_2_R.ipynb
create mode 100644 UNIT-2/titanic (1).csv
create mode 100644 UNIT-3/AIHT(CAPSTONE PROJECT-3 2021UCA1844).pdf
create mode 100644 UNIT-4/Capstone-4(2021UCA1844).pdf

C:\Users\spars\Downloads\AIHT>git branch -M main

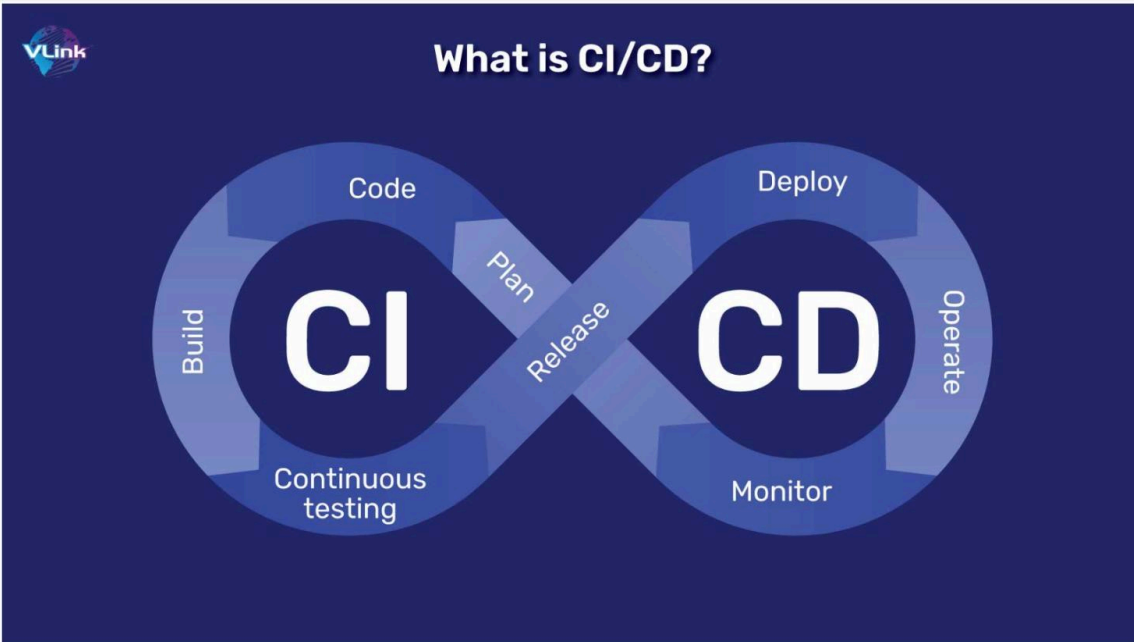
C:\Users\spars\Downloads\AIHT>git remote add origin https://github.com/SinghSpash/AIHT_.git

C:\Users\spars\Downloads\AIHT>git push -u origin main
info: please complete authentication in your browser...
Enumerating objects: 4359, done.
Counting objects: 100% (4359/4359), done.
Delta compression using up to 16 threads
Compressing objects: 100% (4358/4358), done.
Writing objects: 100% (4359/4359), 83.55 MiB | 864.00 KiB/s, done.
Total 4359 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/SinghSpash/AIHT_.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

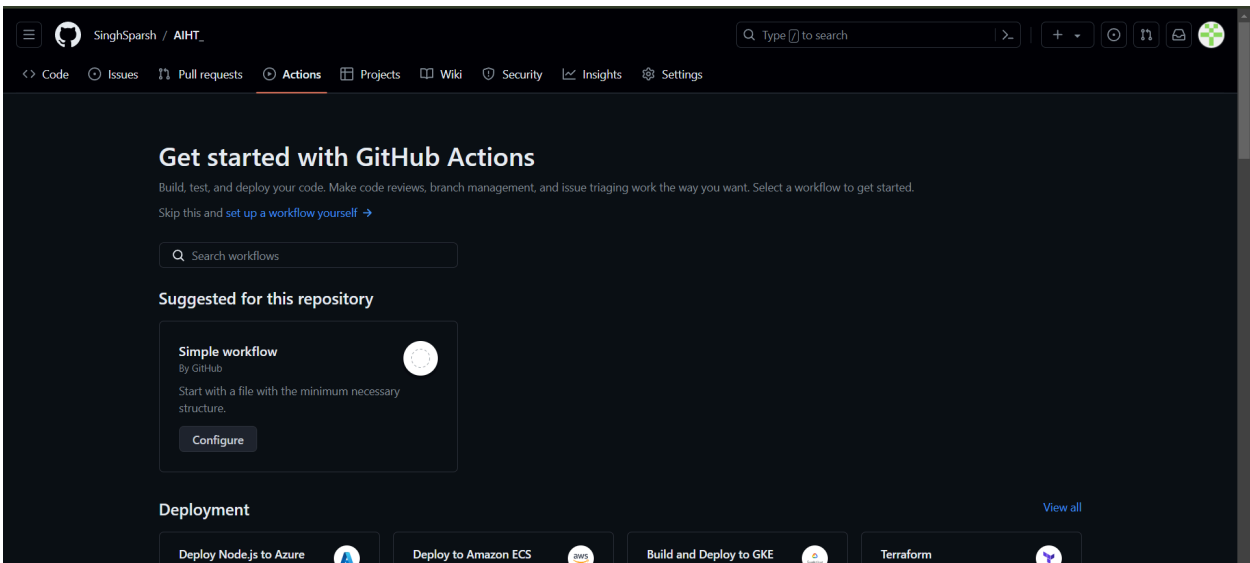


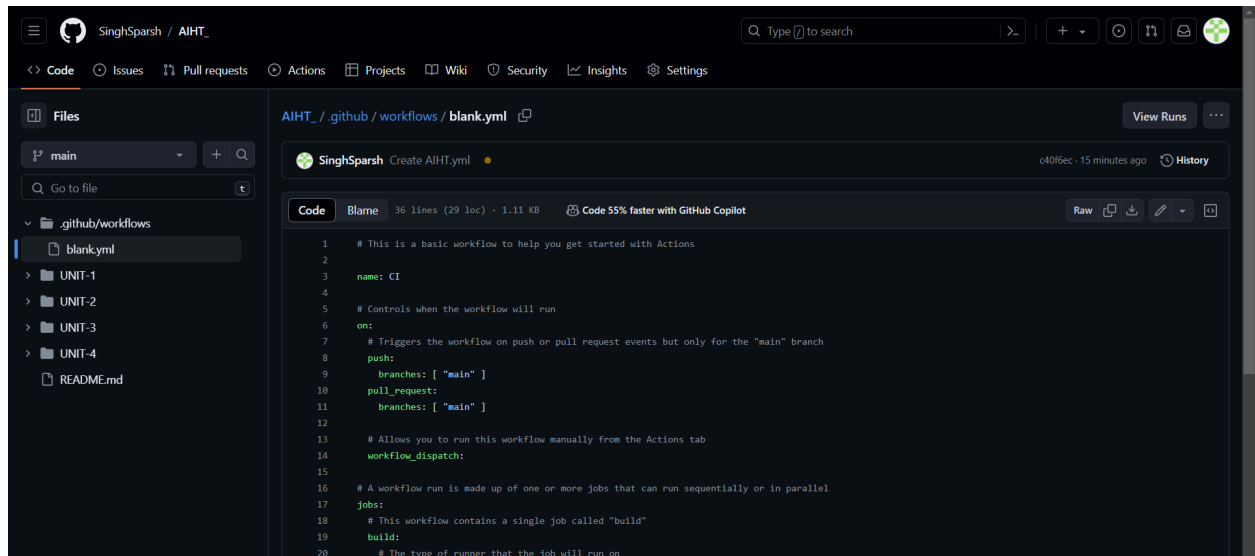
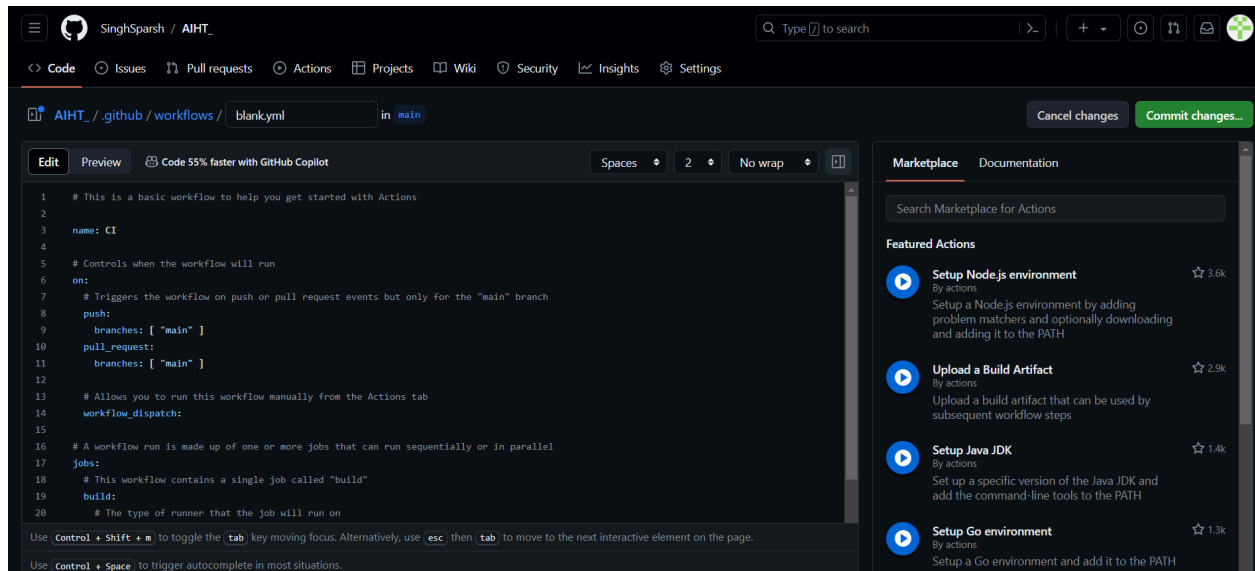
DEVOPS USING GIT

IMPLEMENTING CI/CD PIPELINE USING GITHUB ACTIONS



Imagine a well-oiled machine delivering high-quality updates consistently and rapidly. That's the essence of





PIPELINE CREATED

https://github.com/SinghSpash/AIHT_/tree/main/.github/workflows

SinghSparsH / AIHT_

Q Type to search

>

+

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Actions

New workflow

All workflows

Workflows

CI

Management

Caches

Runners

All workflows

Showing runs from all workflows

Q Filter workflow runs

Help us improve GitHub Actions

Tell us how to make GitHub Actions work better for you with three quick questions.

Give feedback

1 workflow run

Event

Status

Branch

Actor

Create AIHT.yml

CI #1: Commit c40f6ec pushed by SinghSparsH

main

8 minutes ago

Queued