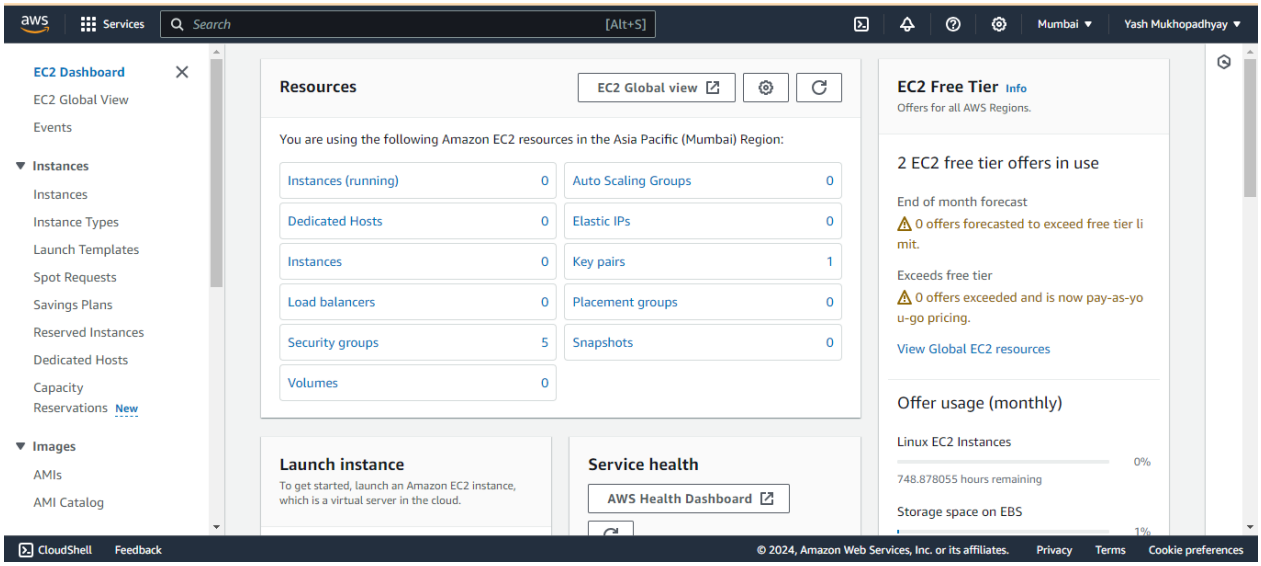
Assignment No:- 10

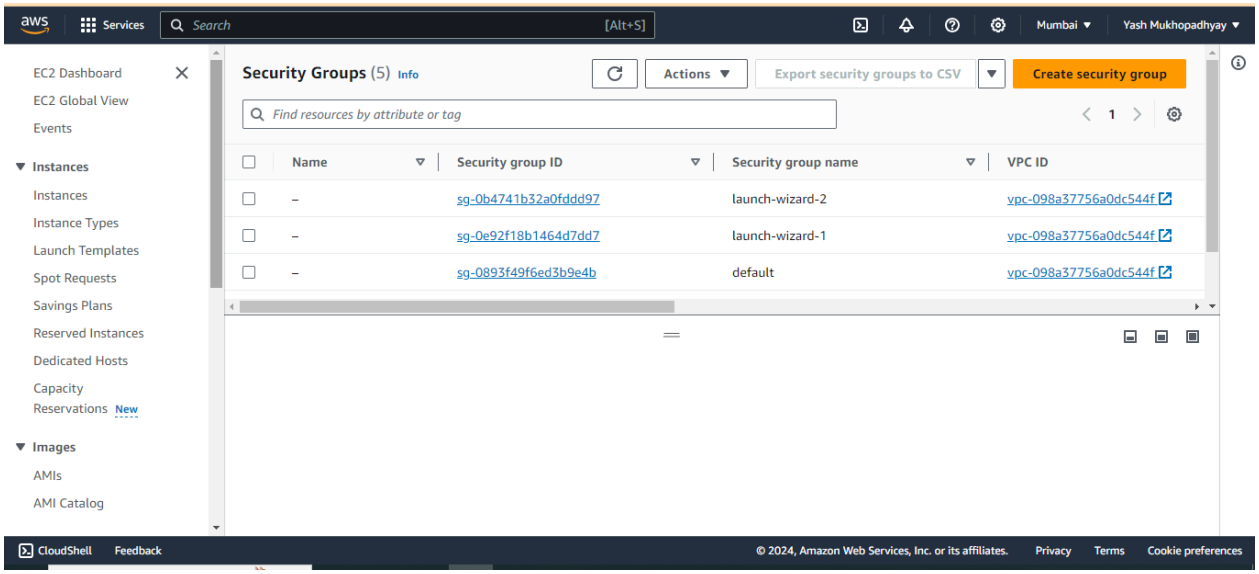
Deploy a project from Github to EC2 instance by creating your own security group.

1. Sign up for an AWS account, search for ‘EC2’ then click on it.

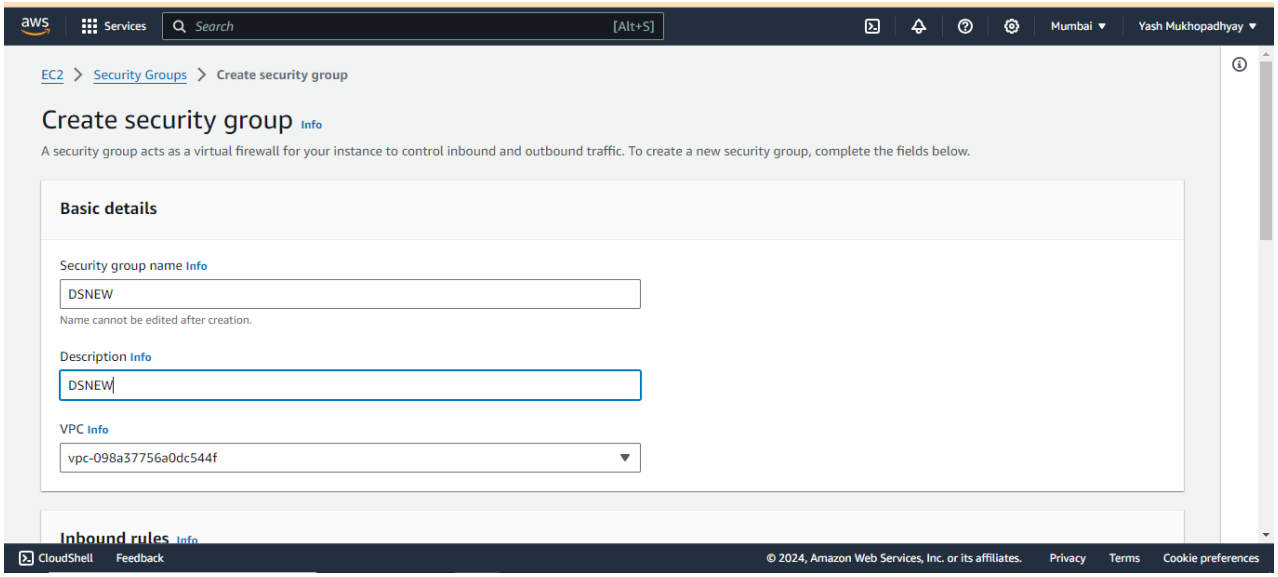
2. In EC2 Dashboard, Under Network & Security click on Security Groups.



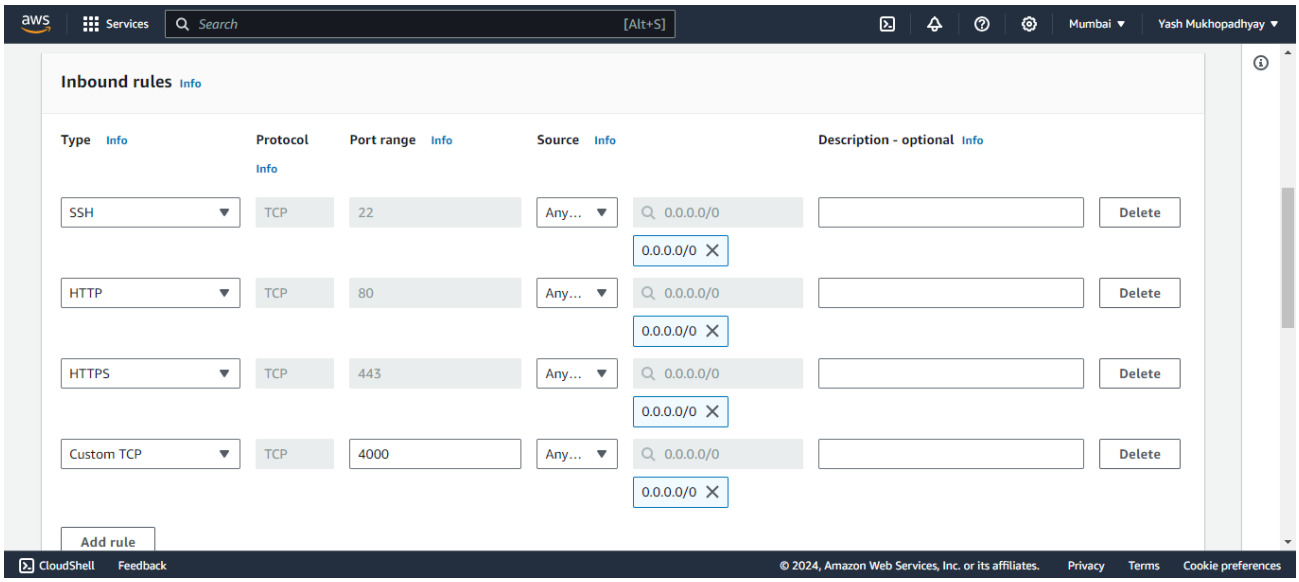
3. Click on ‘Create security group’.



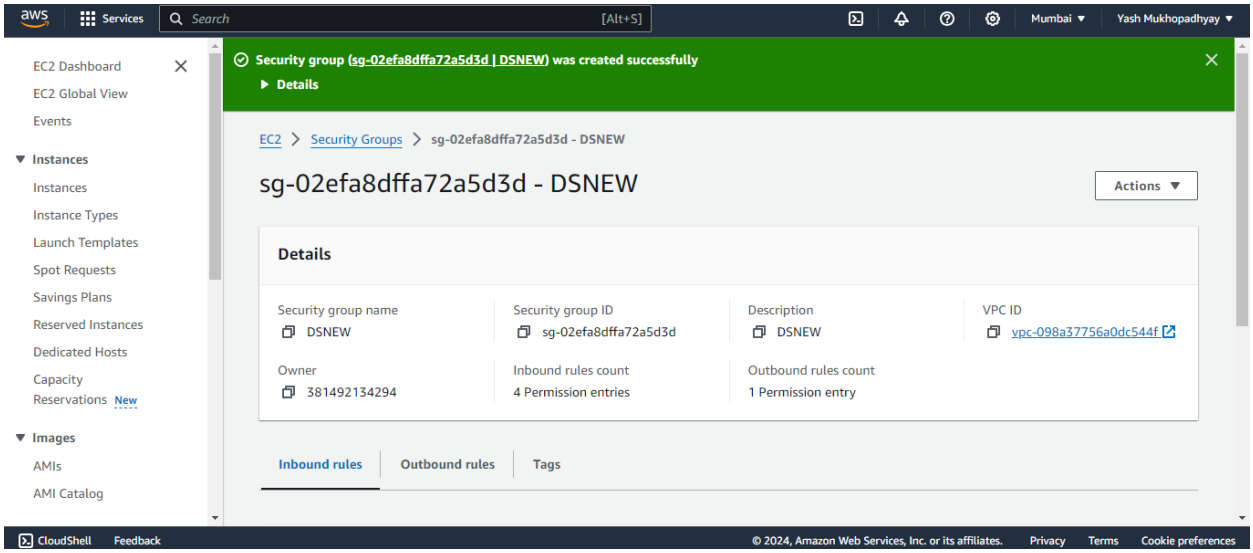
4. Fill up the Basic details,Security group name ‘DSNEW’ and Description also ‘’DSNEW’.



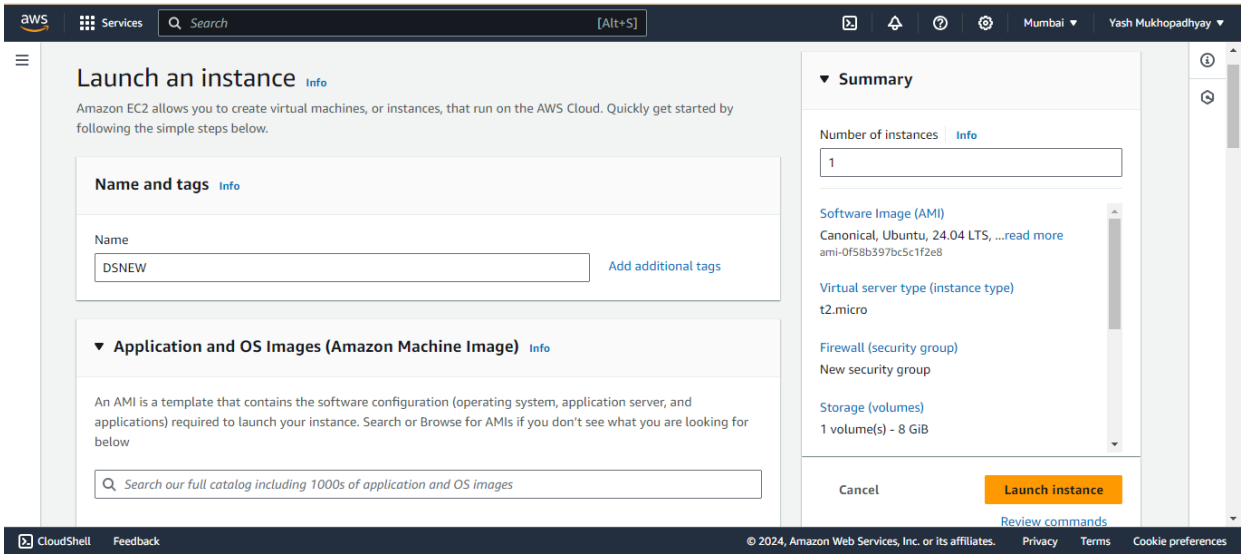
5. In Inbound Rules Section click on Add rule then add three rules - HTTP, HTTPS and Custom TCP of port range 4000.

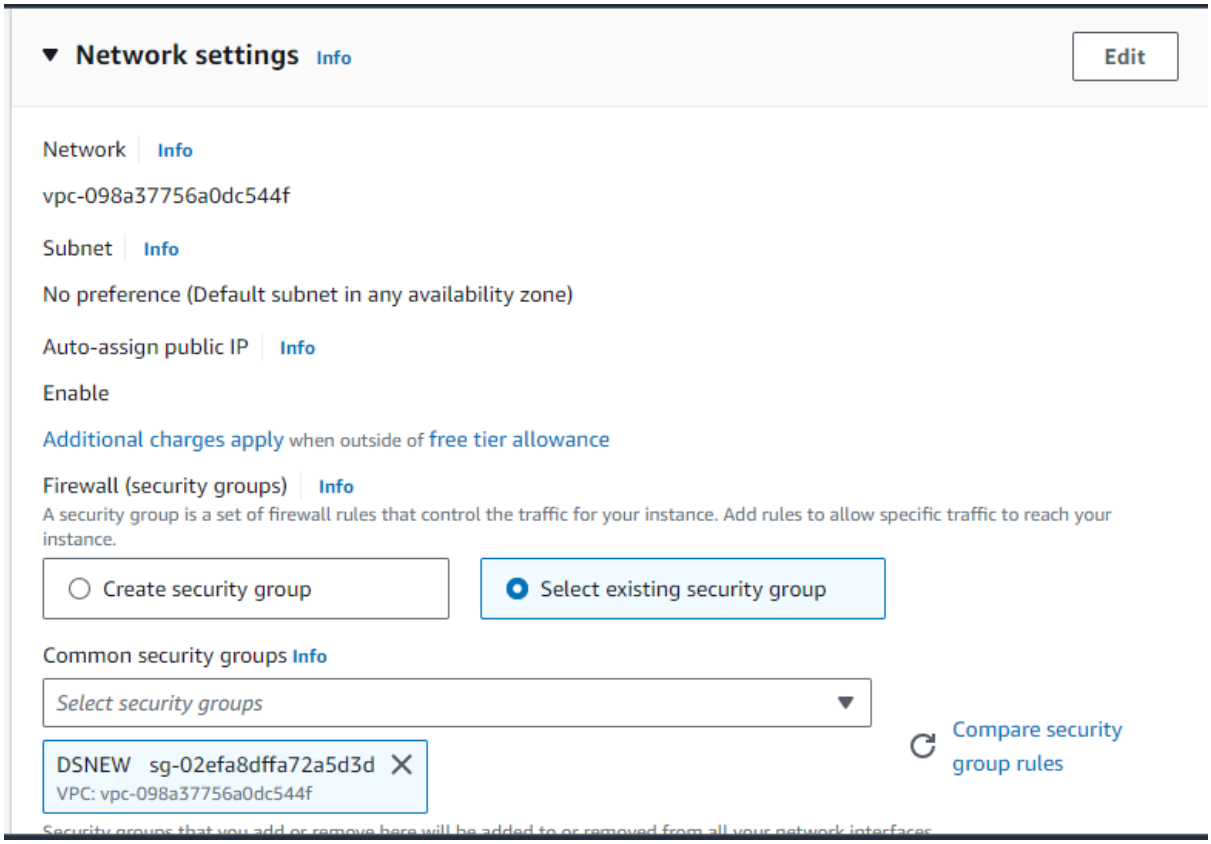


6. Click on Create then new Security group name ‘DSNEW’ is created.

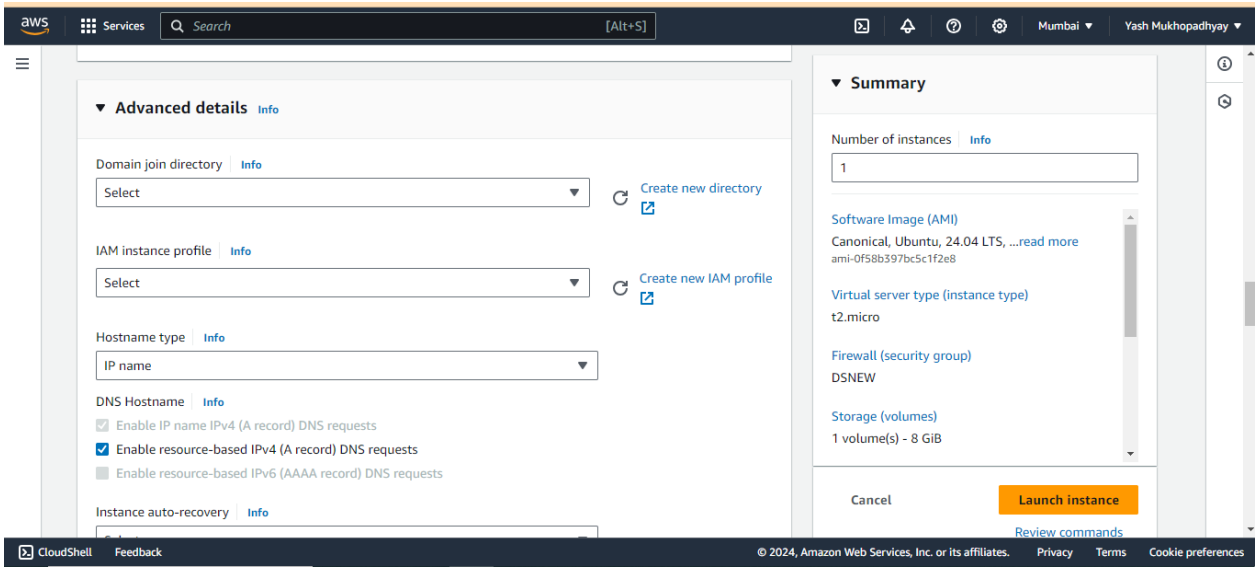


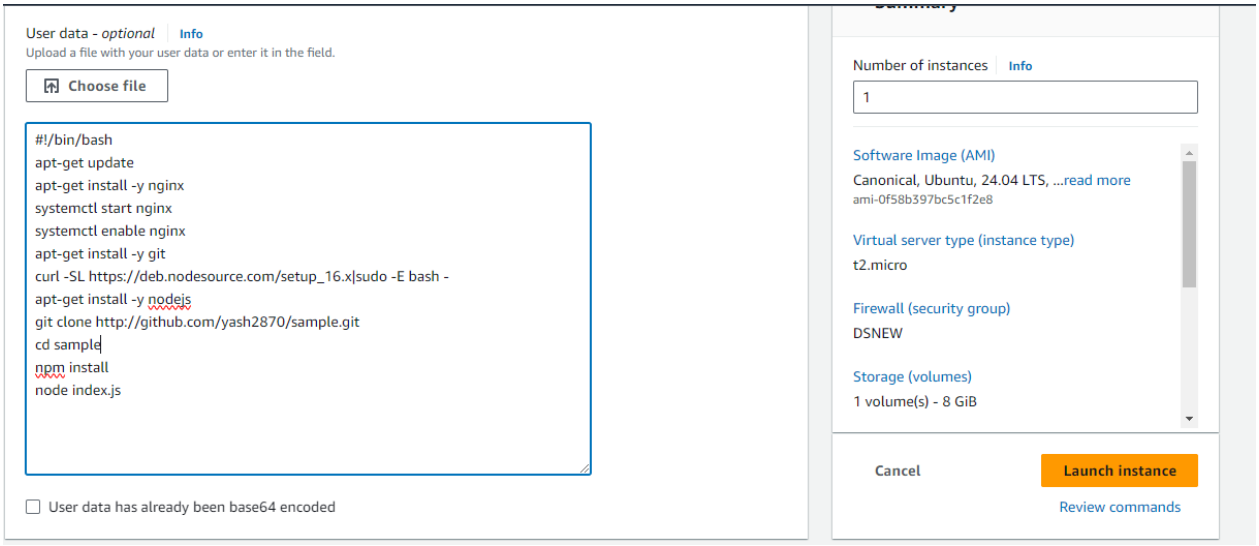
7. Then launch a new instance NAME ‘DSNEW’ and select or create a new key-pair then under network settings select the existing network and choose ‘DSNEW’ from drop Down.



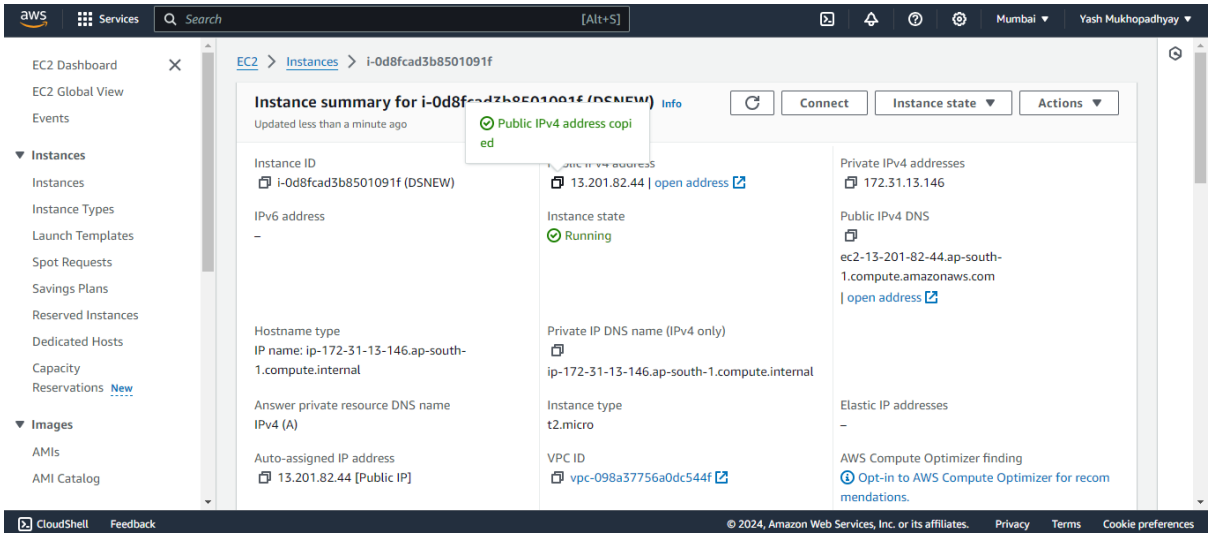


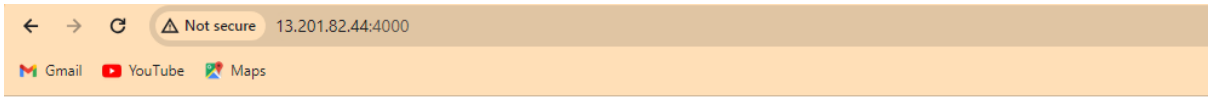
8. Then choose Advanced details, under User data provide the bash code. And click on launch instance.





9. Then open the created EC2 instance and copy the PUBLIC IPV4 address and paste in the URL address bar and add ':4000' at the end of the IPV4 address as a port number.





Hello mckv

INFERENCES:-

Deploying a project from GitHub to an EC2 instance involves creating a custom security group named 'DSNEW' with inbound rules for HTTP, HTTPS, and a custom TCP port (4000). Launching an EC2 instance named 'DSNEWA' using this security group ensures network security alignment. Including user data with bash code during instance launch streamlines setup and configuration. Accessing the deployed project via the EC2 instance's public IPv4 address, appended with ':4000', completes the deployment process.