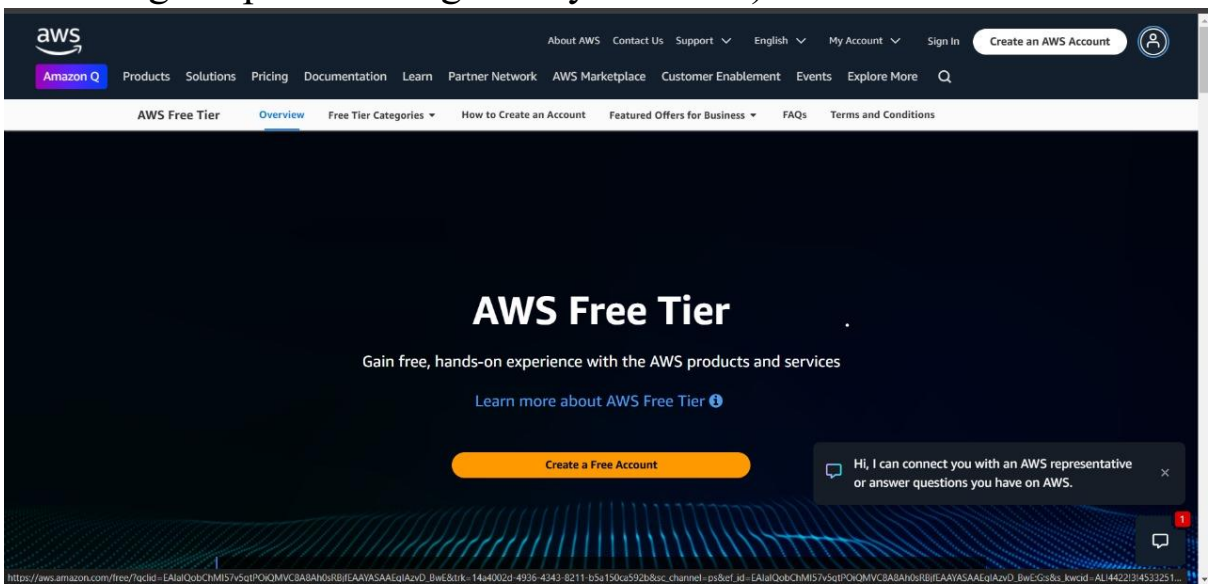
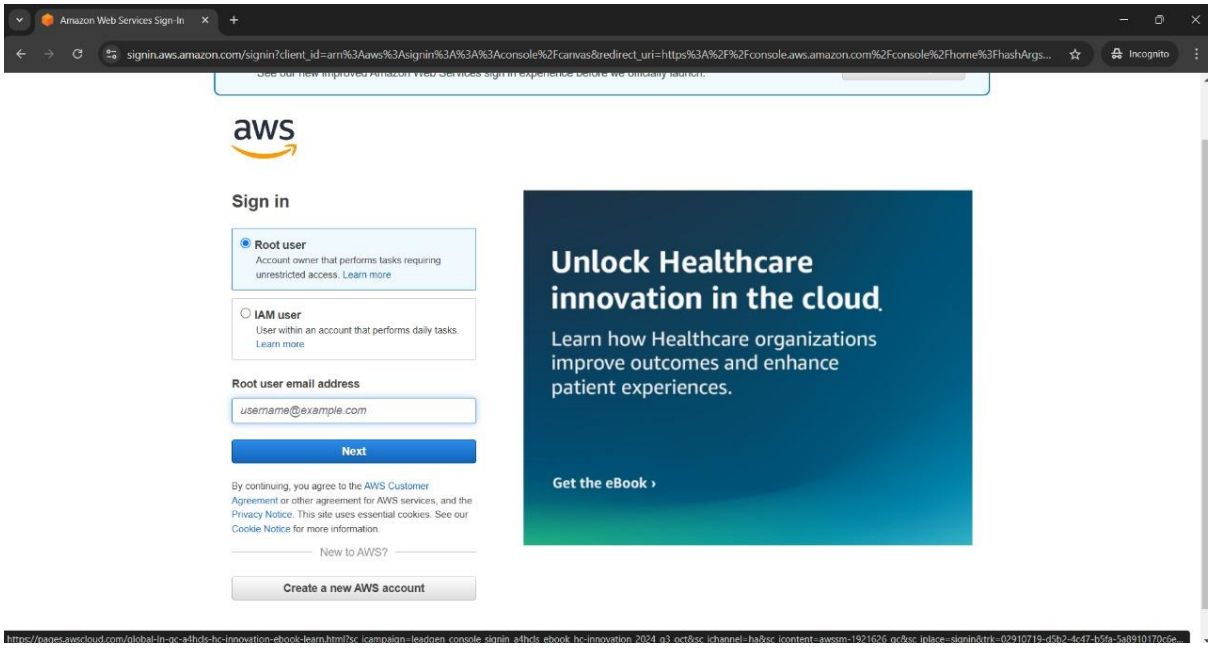
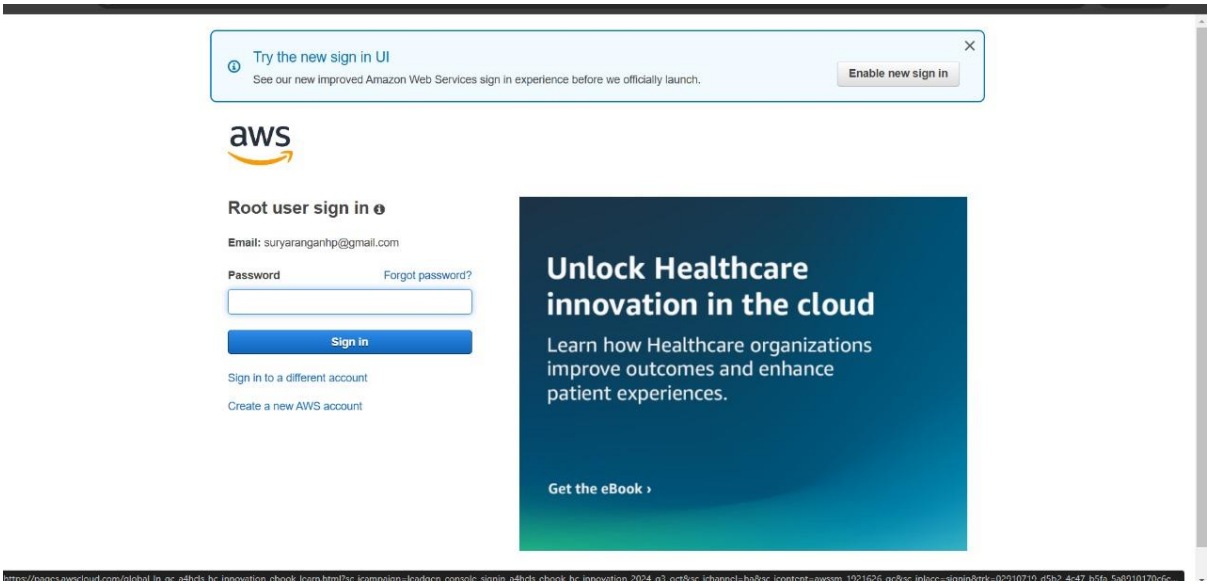
DOCUMENTATION ON HOSTING THE WEBSITE ON AWS (AMAZON WEB SERVICES) USING GITHUB REPOSITORY

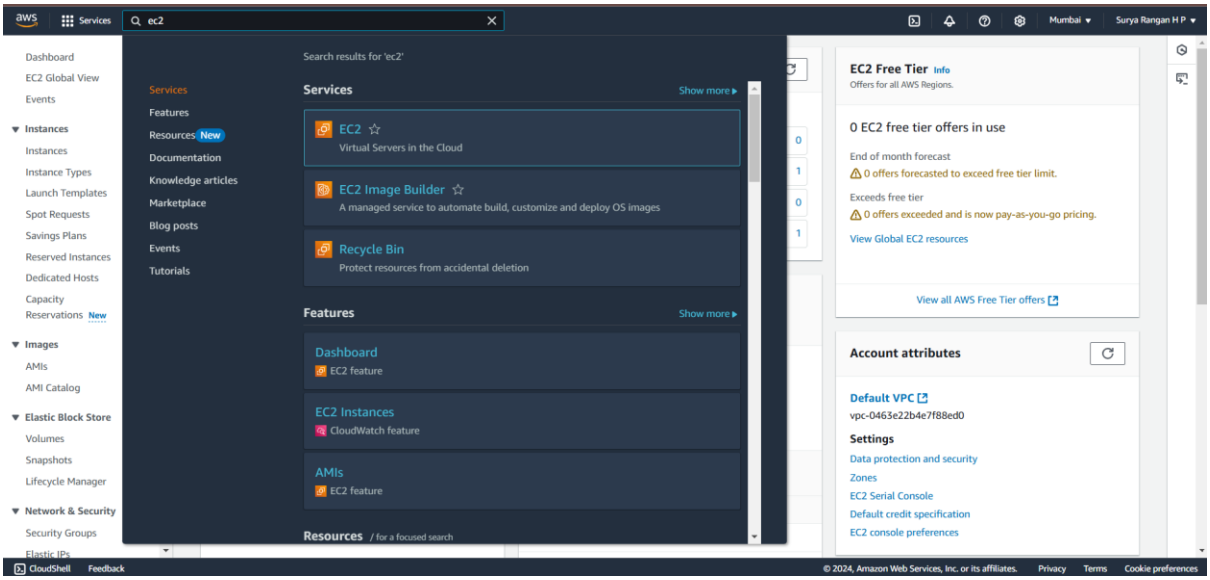
1. Login to your AWS Account (If not create a new account by following the procedures given by the AWS).



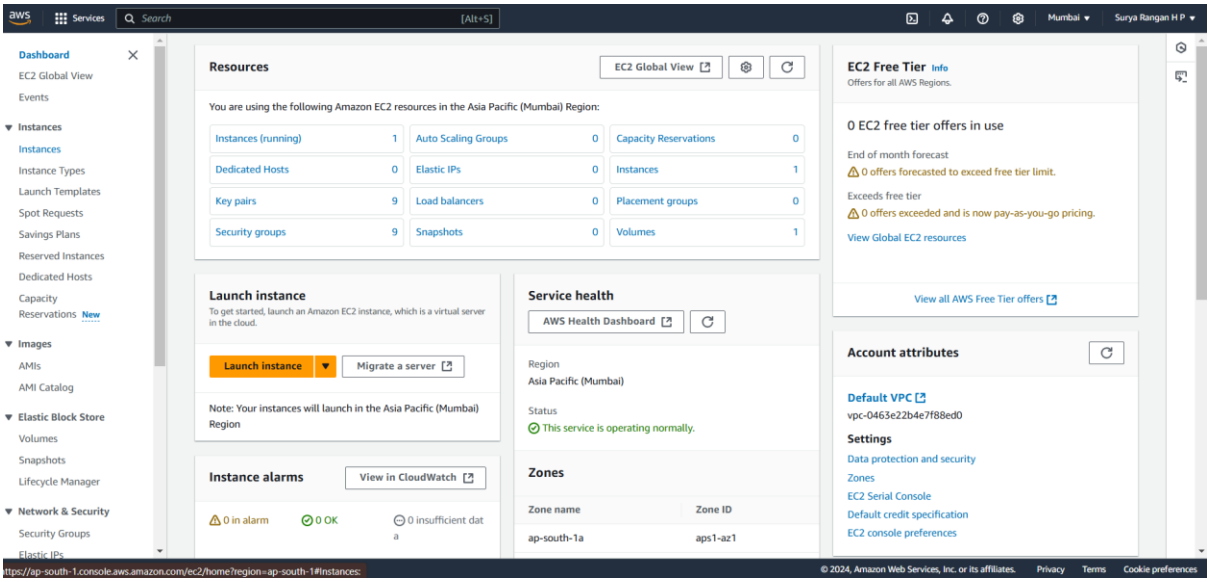




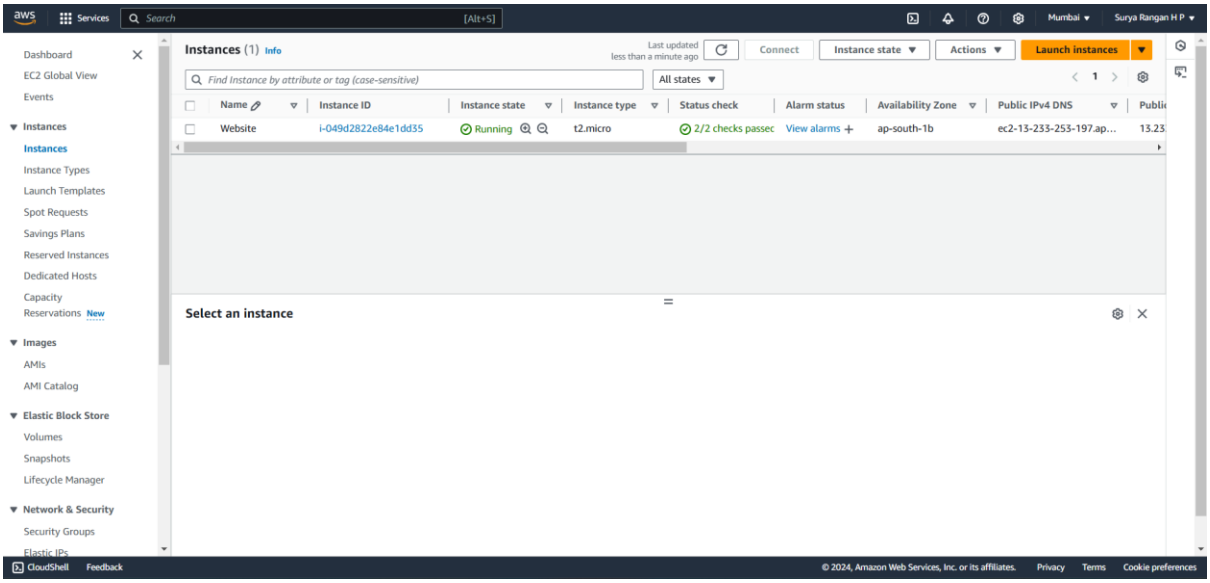
2. After login, you will see the dashboard.



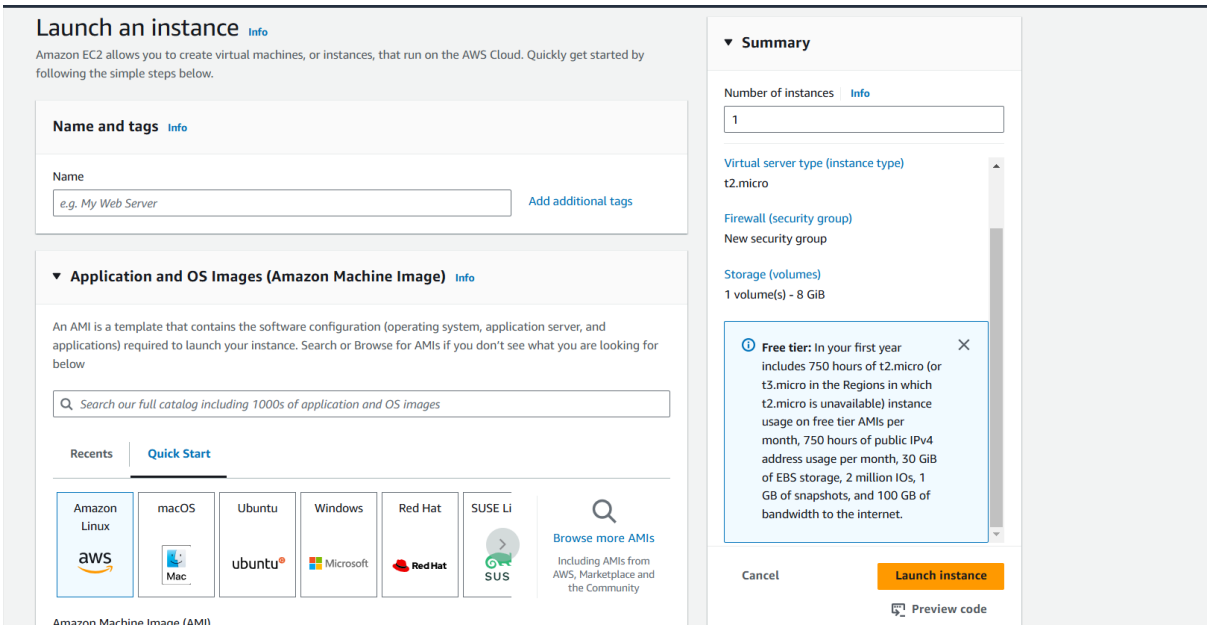
3. In the search bar, search for EC2 and click.
4. In the left bar, select instances.



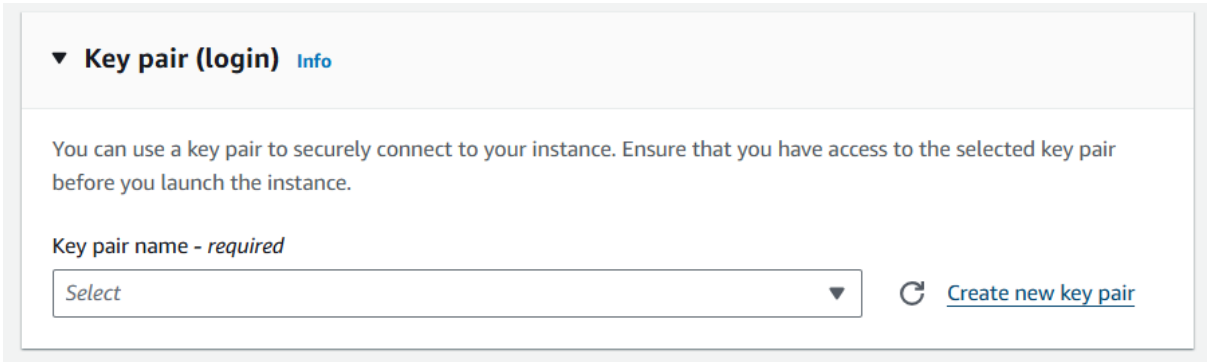
5. Select launch instance.



6. In the “Name and Tags” field, select and type the name as you wish.



7. Scroll down and in the Key Pair (Login), click on “Create new key pair” and type the name as you want select “create key pair” and a .pem file will be downloaded.



Create key pair

Key pair name

Key pairs allow you to connect to your instance securely.

hello

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

- (•) RSA
  RSA encrypted private and public key pair
- ( ) ED25519
  ED25519 encrypted private and public key pair

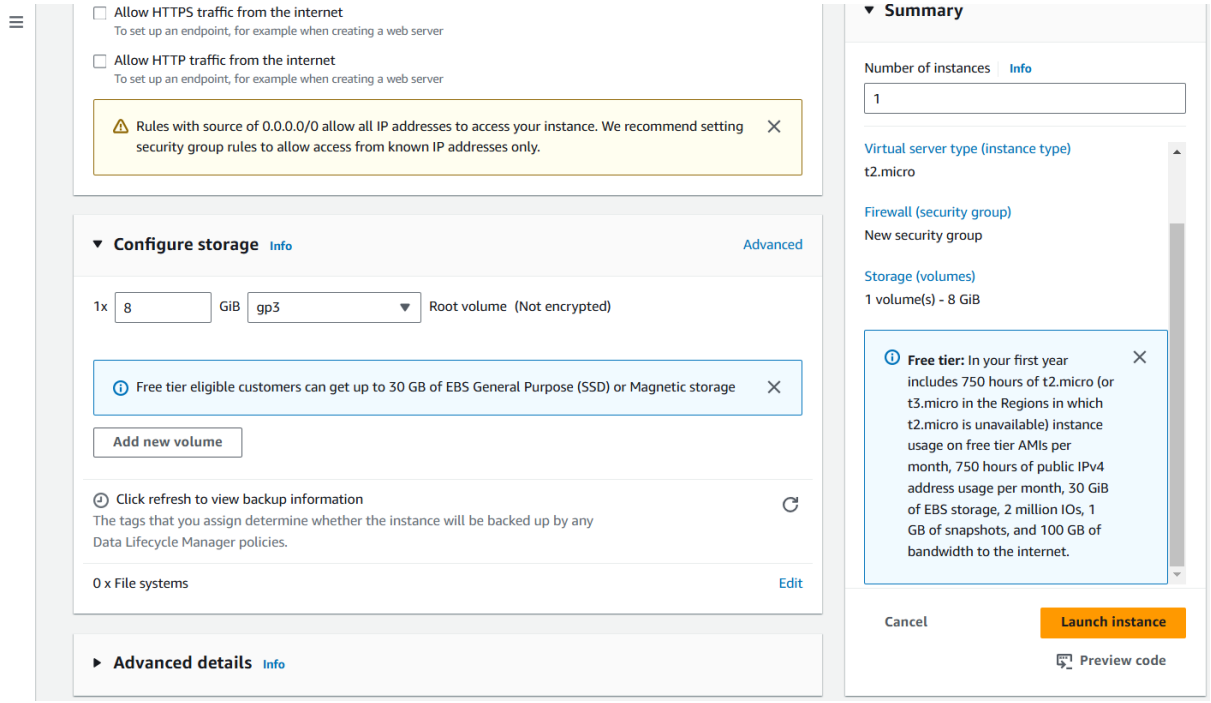
Private key file format

- (•) .pem
  For use with OpenSSH
- ( ) .ppk
  For use with PuTTY

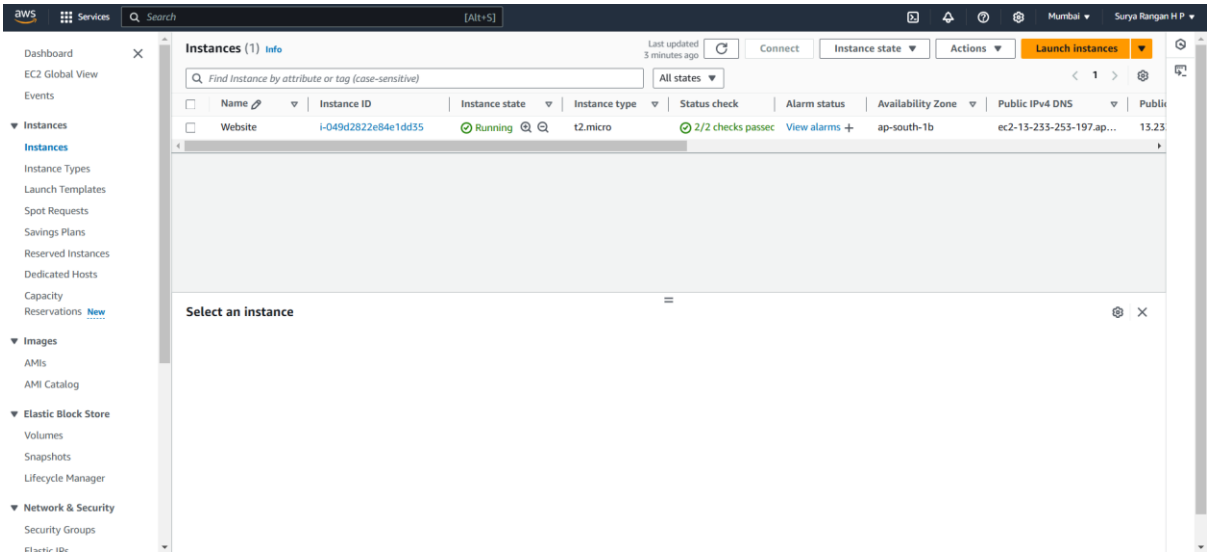
⚠ When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** Learn more

Cancel | Create key pair

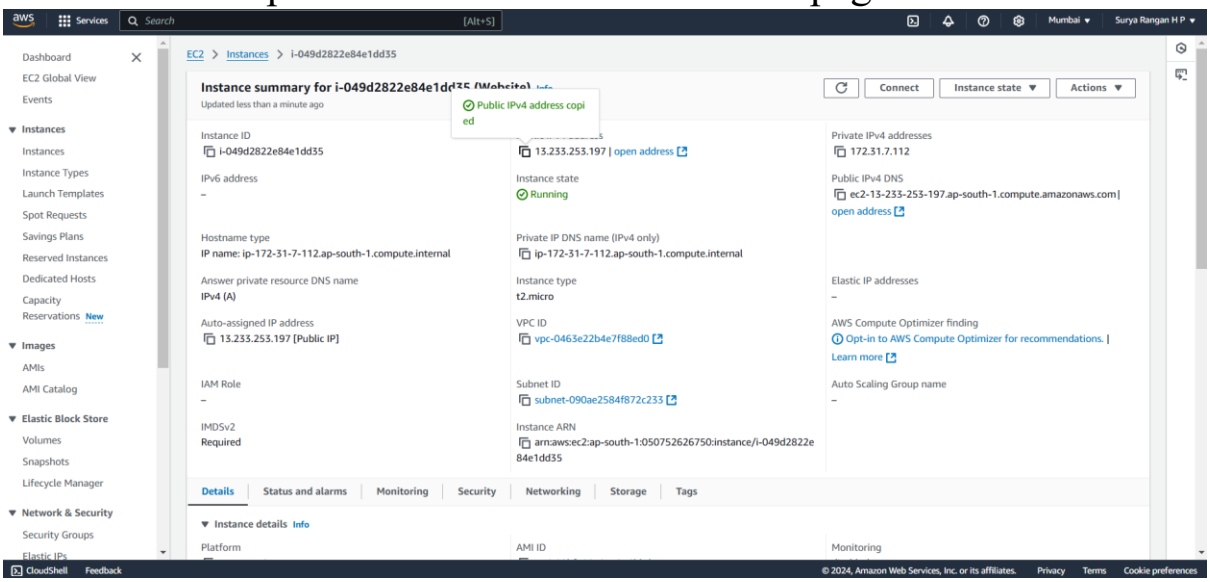
8. Scroll down and select launch instance



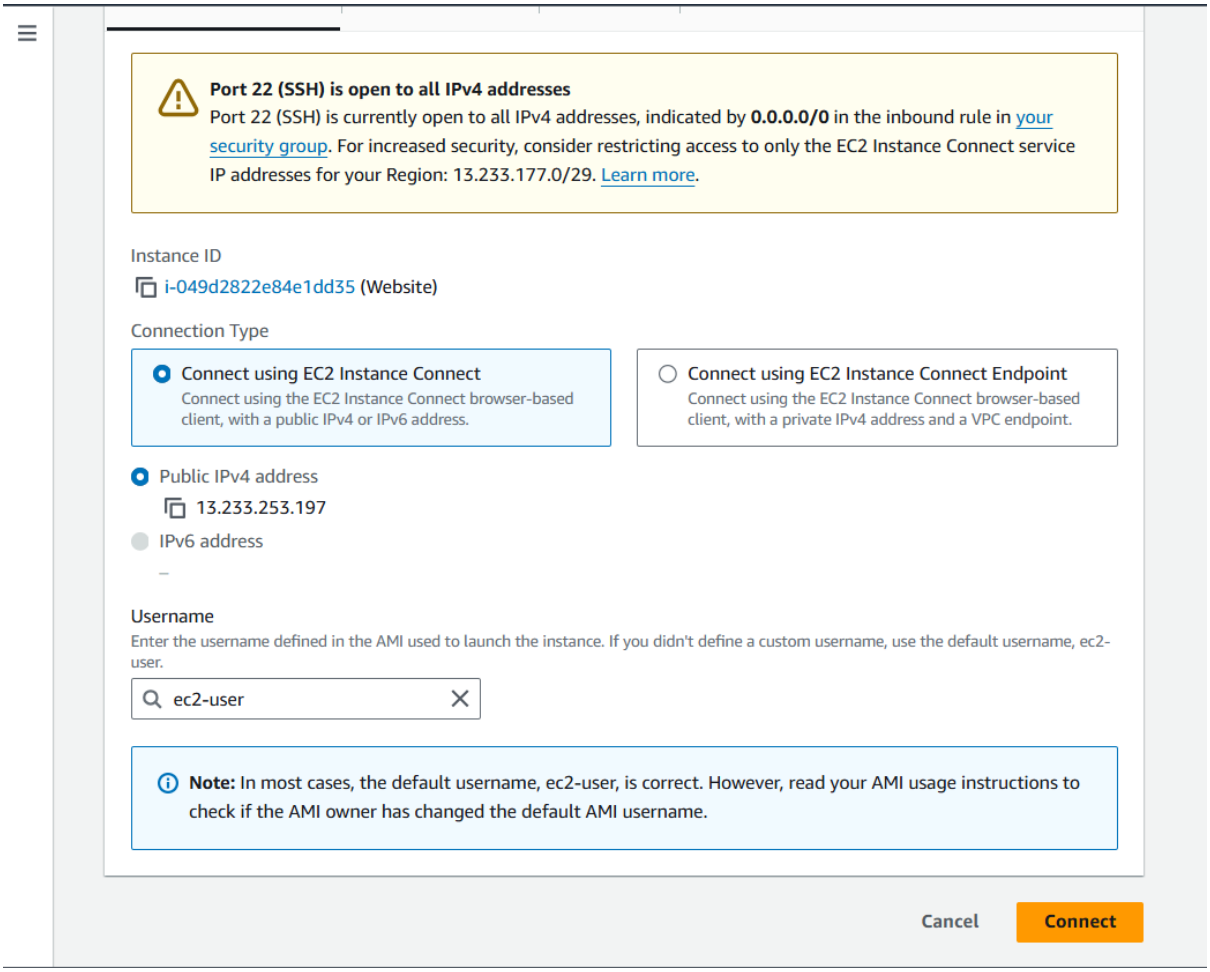
9. After that EC2 -> instances again, to see the instance you created. Make sure that your instance is running. If not, wait for some time until it runs.



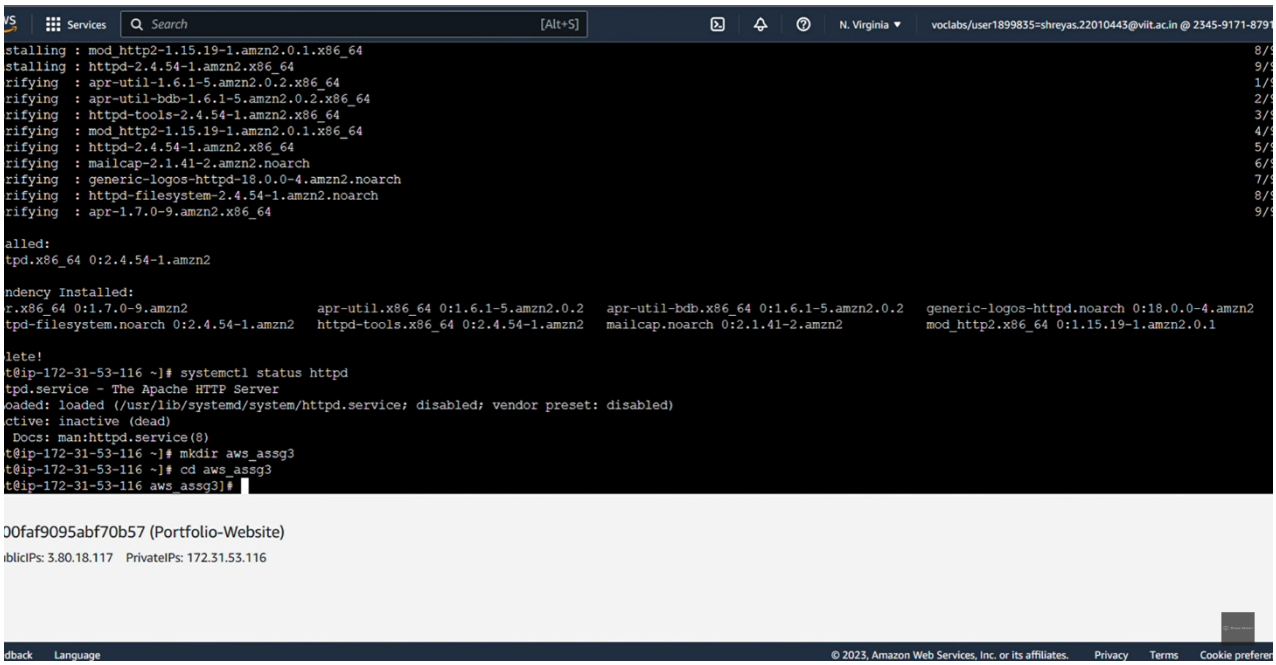
10. In the instances table, select the instance you created, go down and copy the Auto assigned Ip address and open a new tab in browser and paste it and come back to AWS page.



11. Select Connect at the top. You will go to the new page and again select connect there.

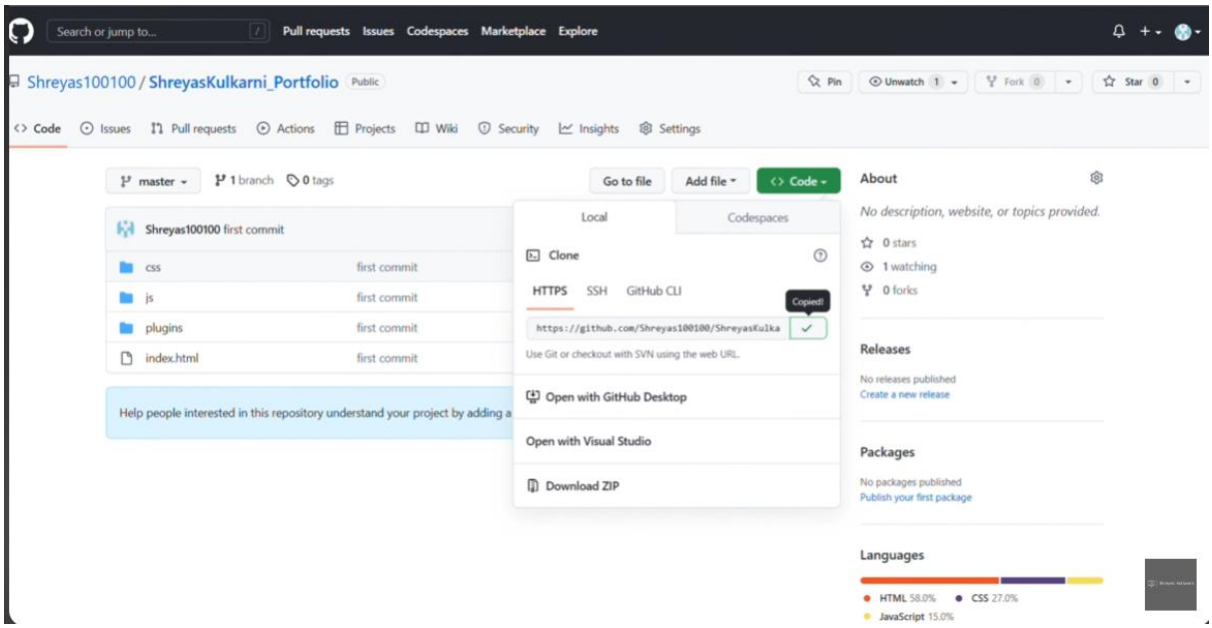


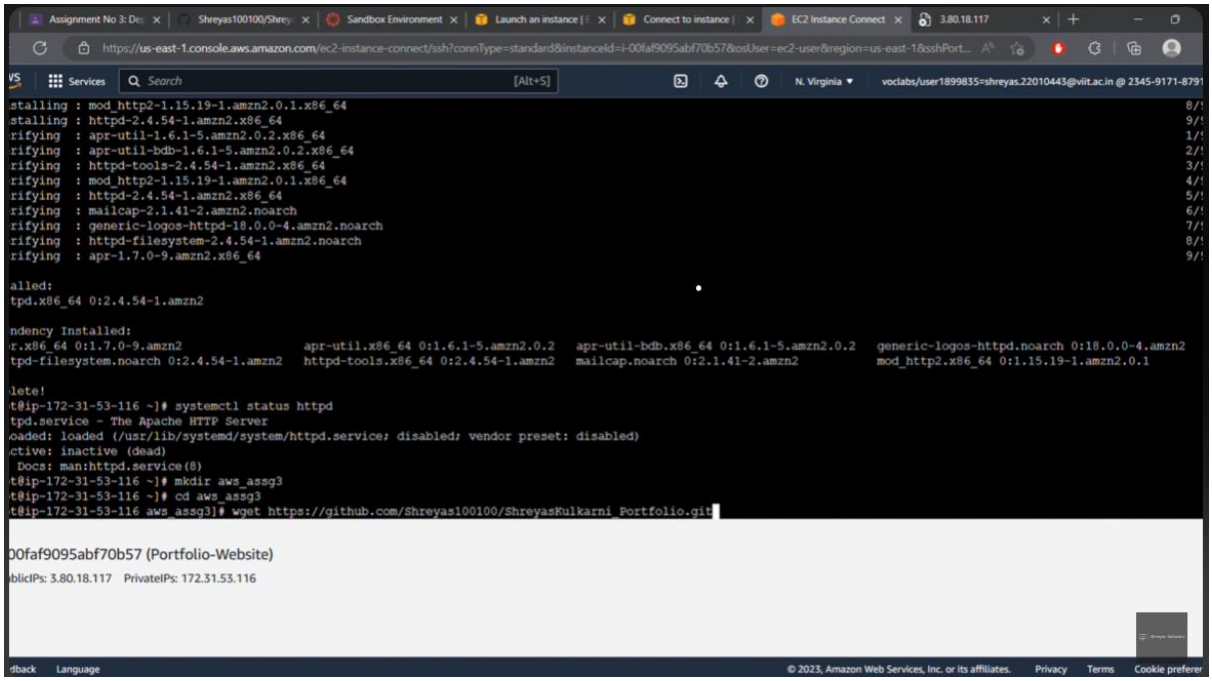
12. You will get an Amazon CLI.
13. Type the following commands:
    1. sudo su –
    2. yum update -y
    3. yum install -y httpd
    4. systemctl status httpd
    5. mkdir aws_anyfilename
    6. cd aws_anyfilename



14. Open GitHub where you have the GitHub repository of your project. Select the repository and go to code and copy https link and type the following command

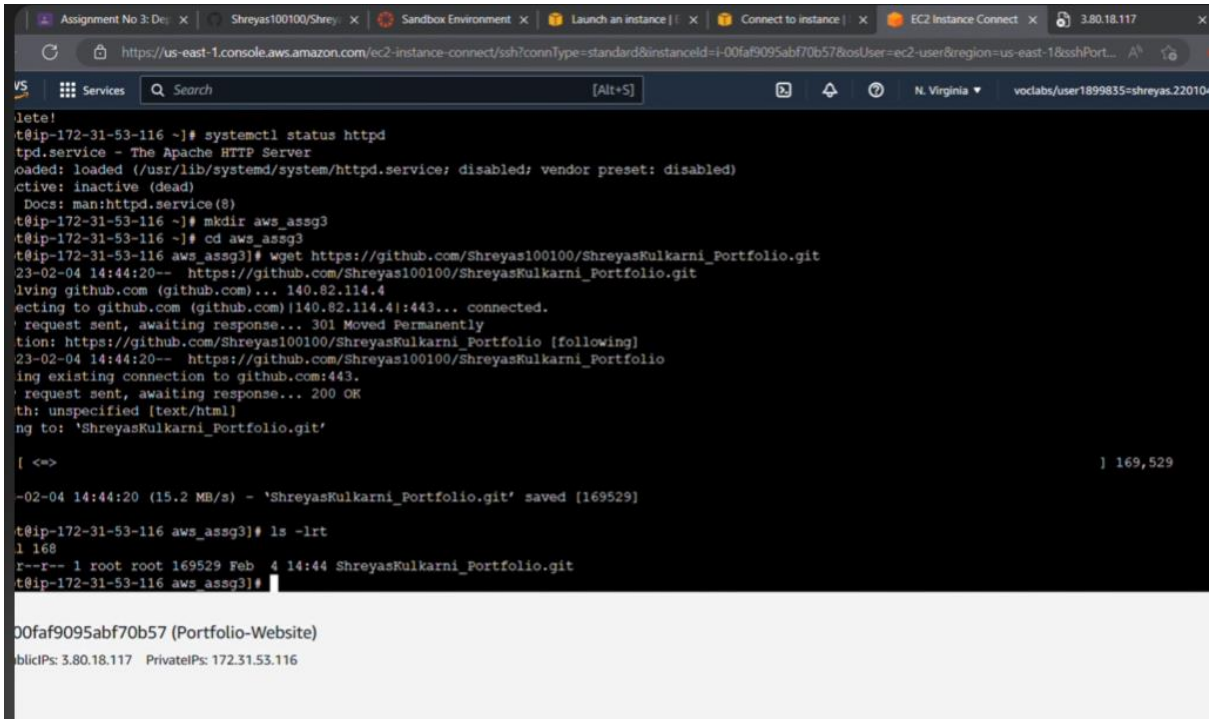
wget “linkyouhavegot”



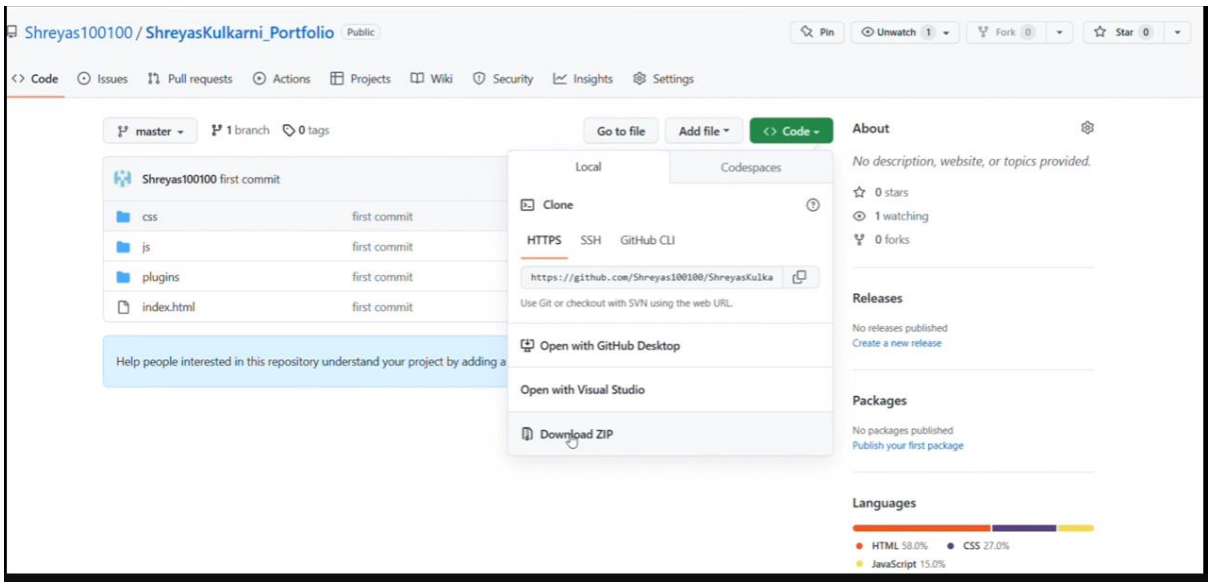


15. Now continue with the commands

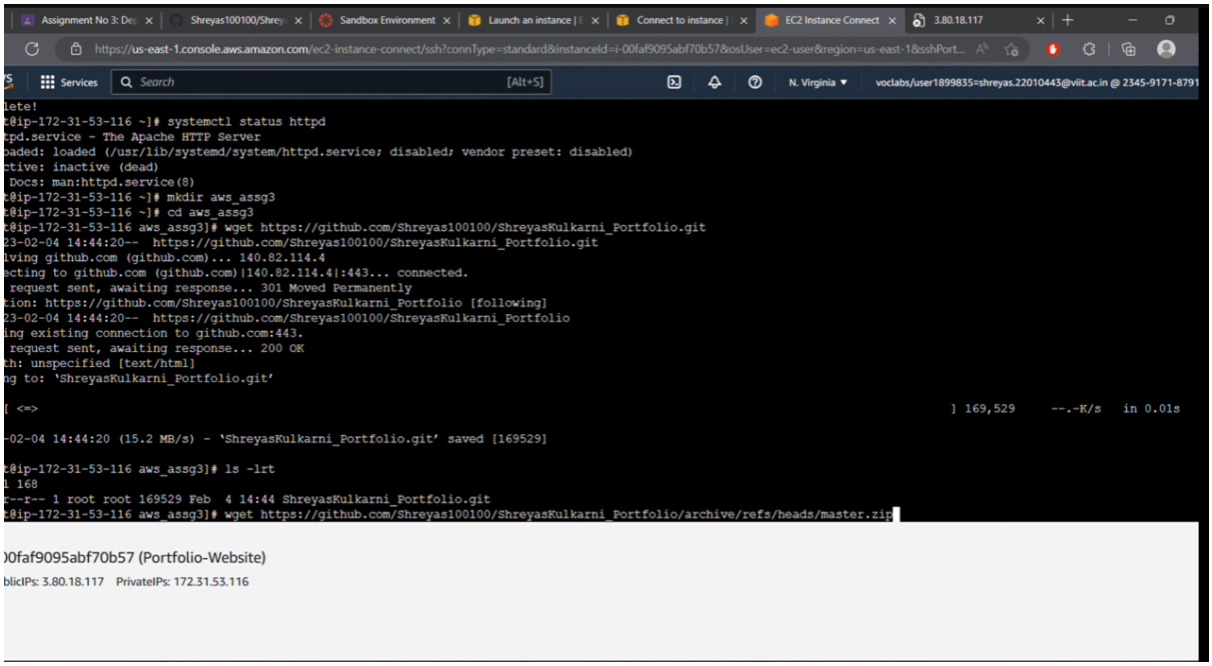
1. ls -lrt



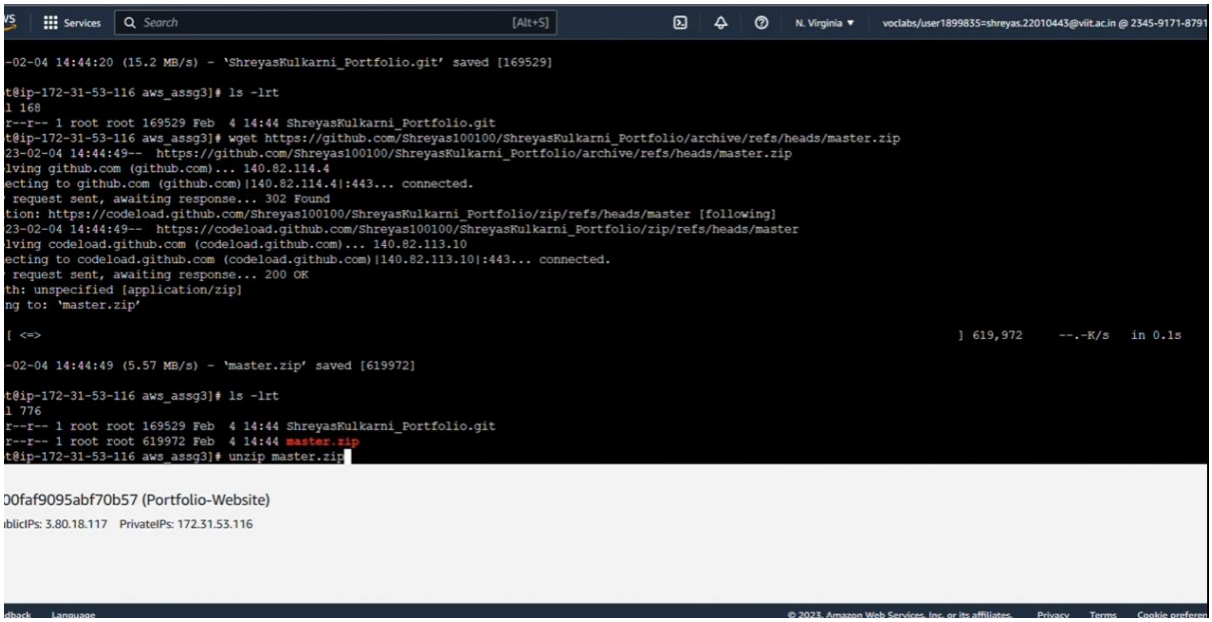
16. Go to GitHub, select repository ->Code, right-click on Download ZIP and select “Copy link address.”



17. Type this
wget "paste_the zip_link"



18. Type the commands:
    1. ls -lrt
    2. You will get the zip file name displayed in cli. Unzip using this command: unzip "zipfilename.zip."

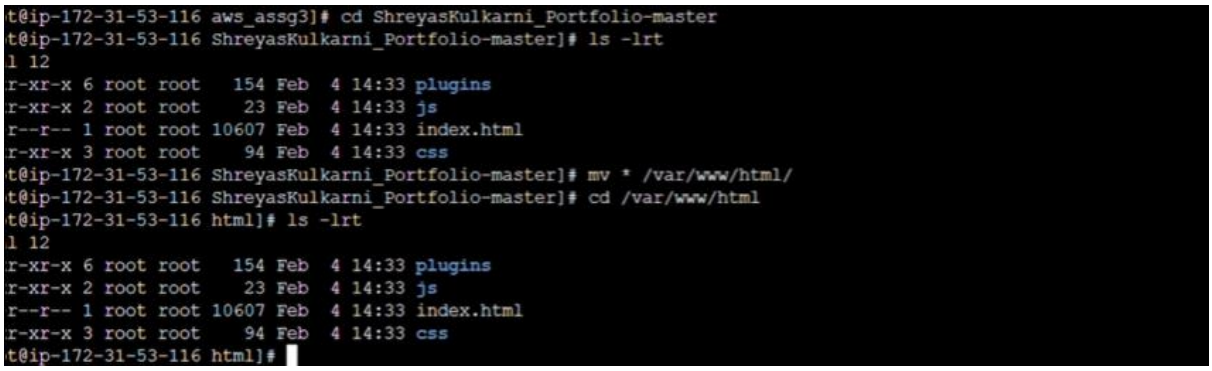


3. Ls -lrt
4. You will get the folder name in blue color. Now type this: cd “folder_name”

5. Ls -lrt
6. You will get some files. Type this:

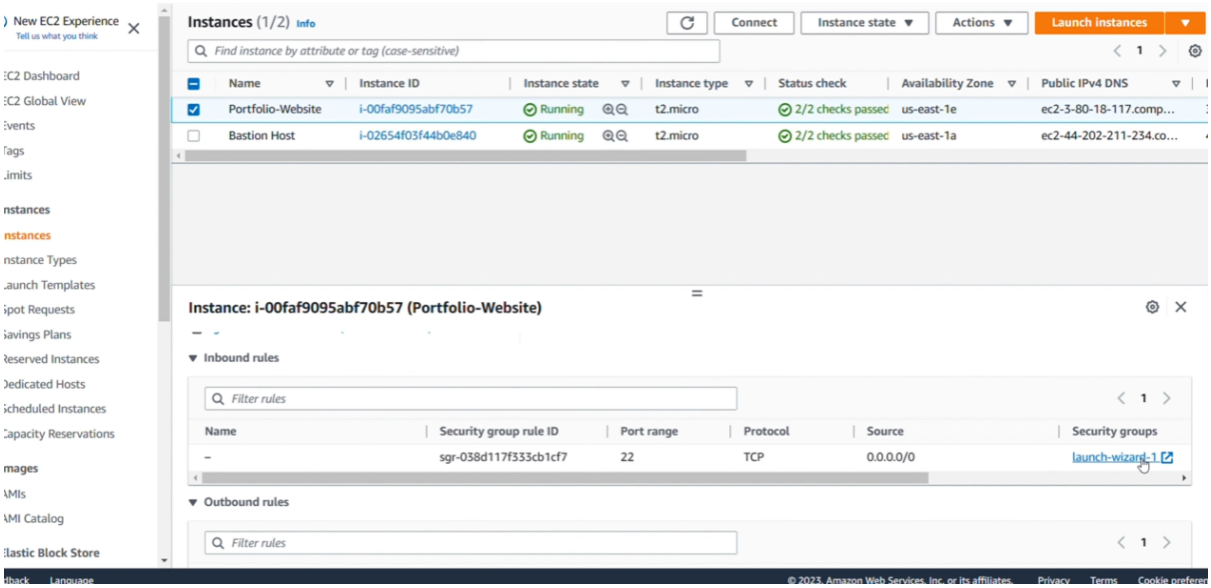
   Mv * /var/www/html/

7. Cd /var/www/html
8. Ls -lrt

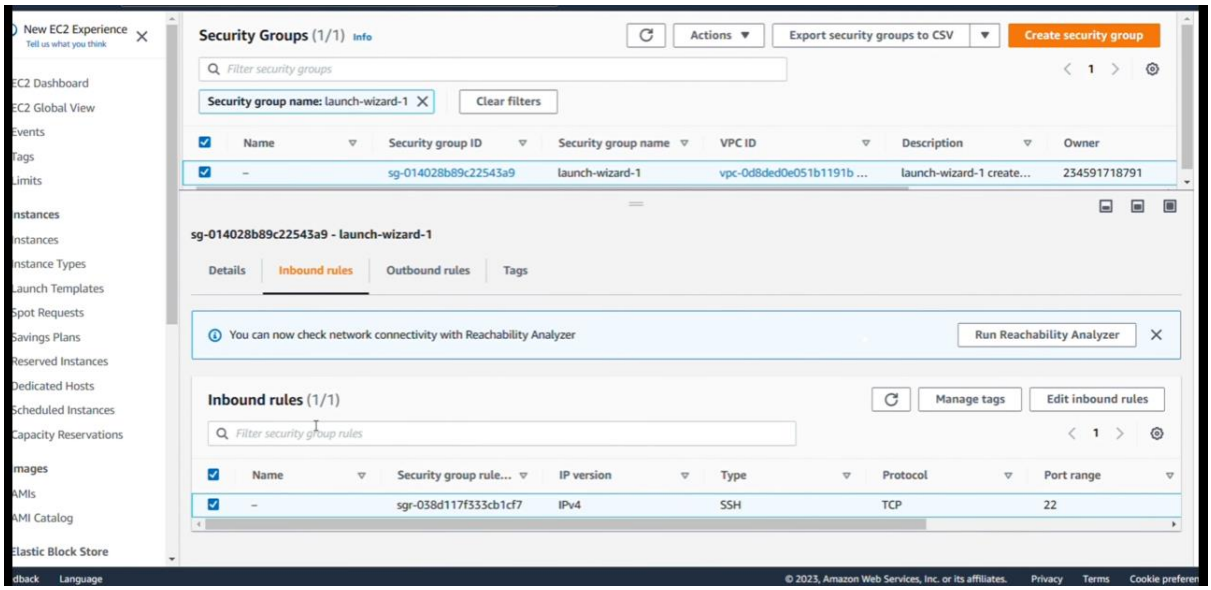


19. Go to the AWS Instances.

20. Select the instance ID of the instance you created, then go to security, Inbound rules and select launch wizard.

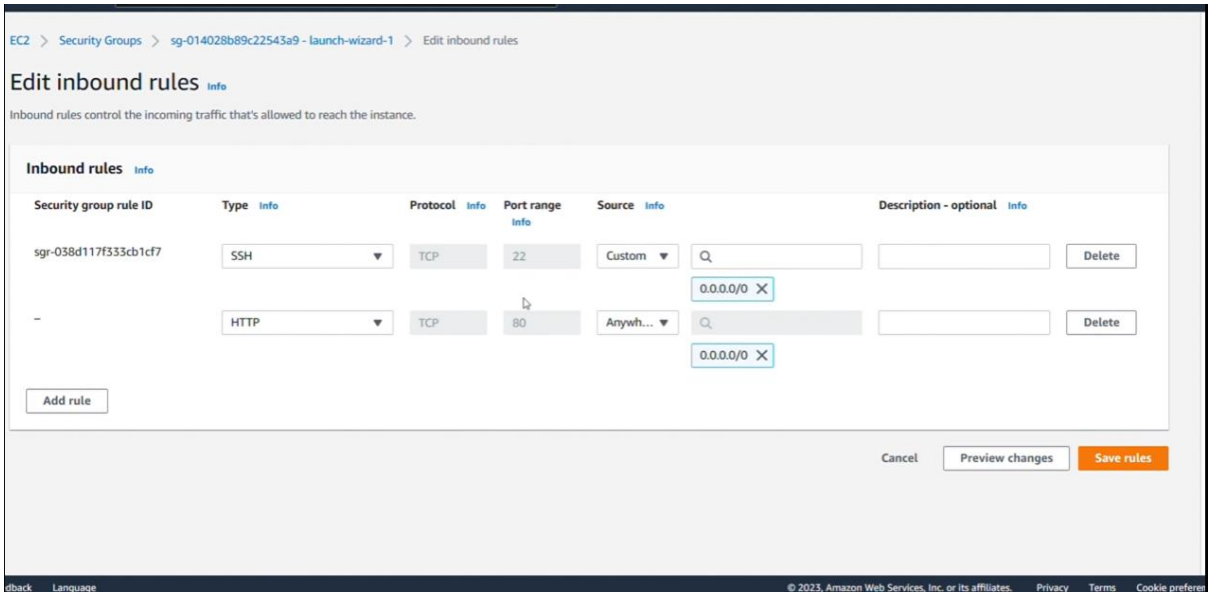


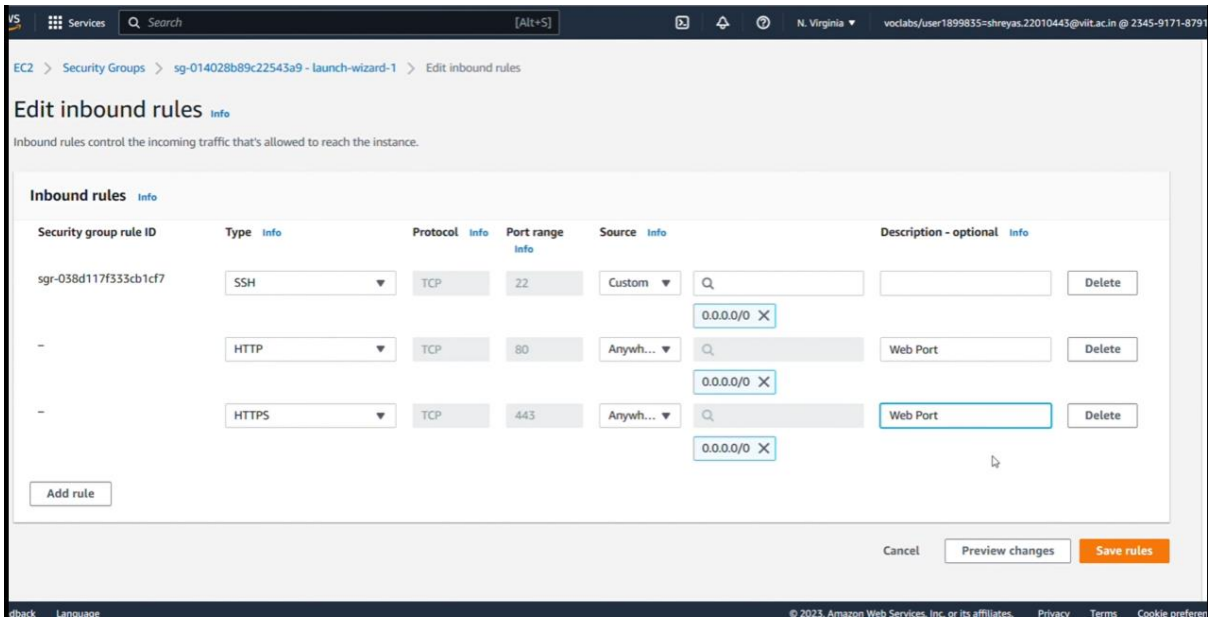
21. In that select inbound rules tab, select Edit inbound rules.



22. Select Add rule and perform these

1. HTTP, anywhere ipv4, 0:0:0:0/0, select add rule
2. https, anywhere ipv4, 0:0:0:0/0



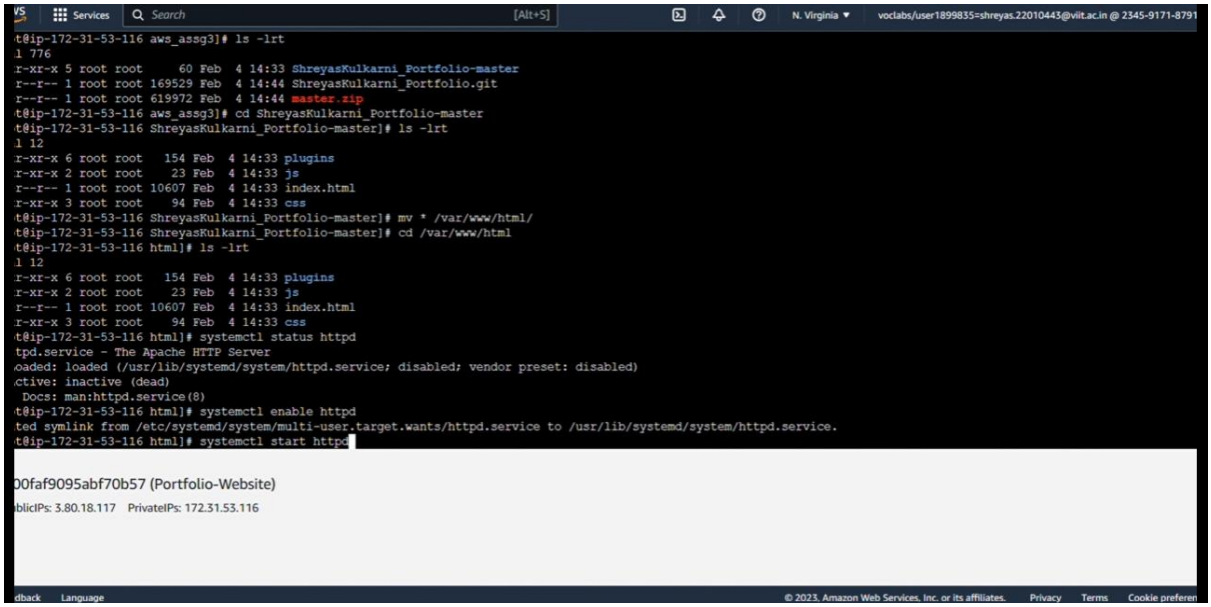


23. Go to Aws cli and type this

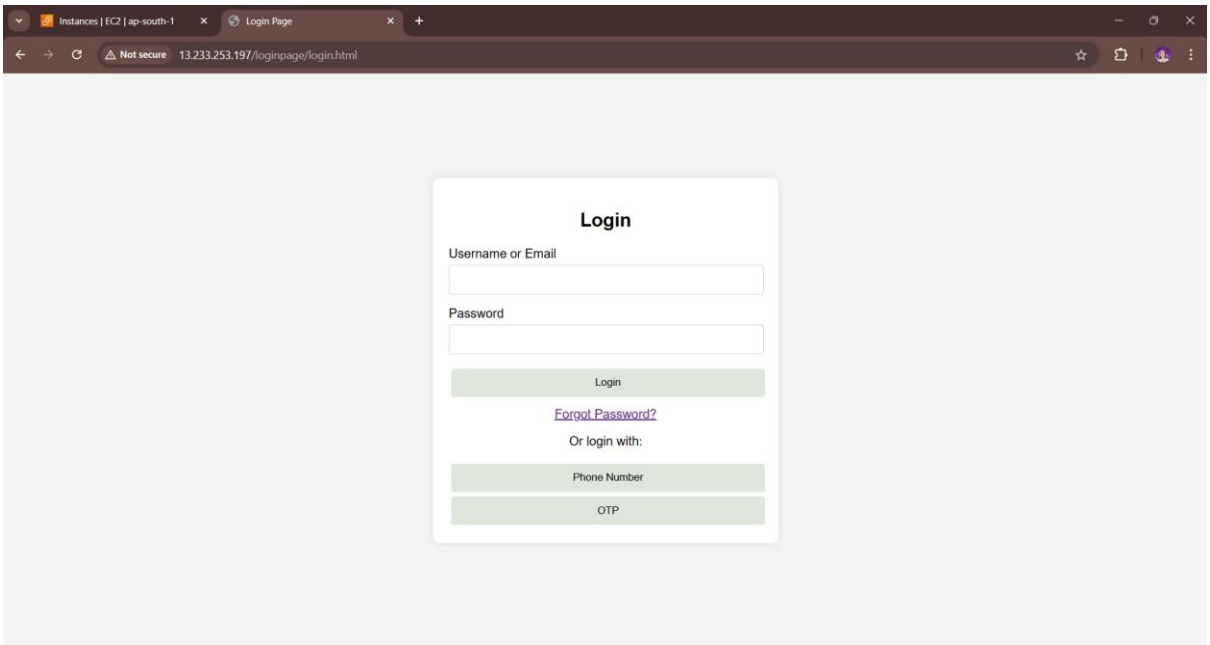
Systemctl status httpd

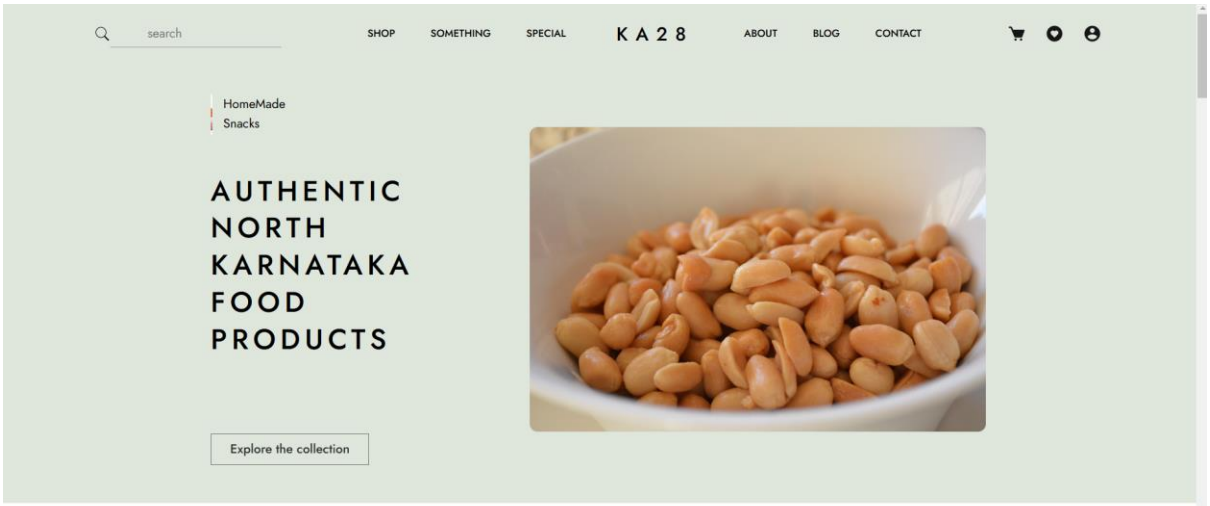
Systemctl enable httpd.

Systemctl start httpd



24. Now reload the tab where you put your Ip address and see the results of your website.

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