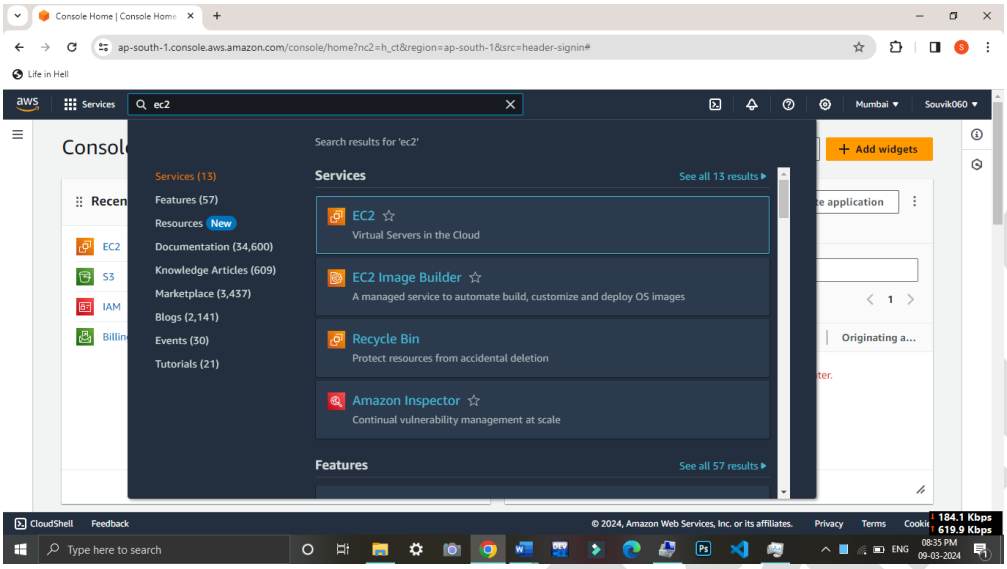
Assignment : 7

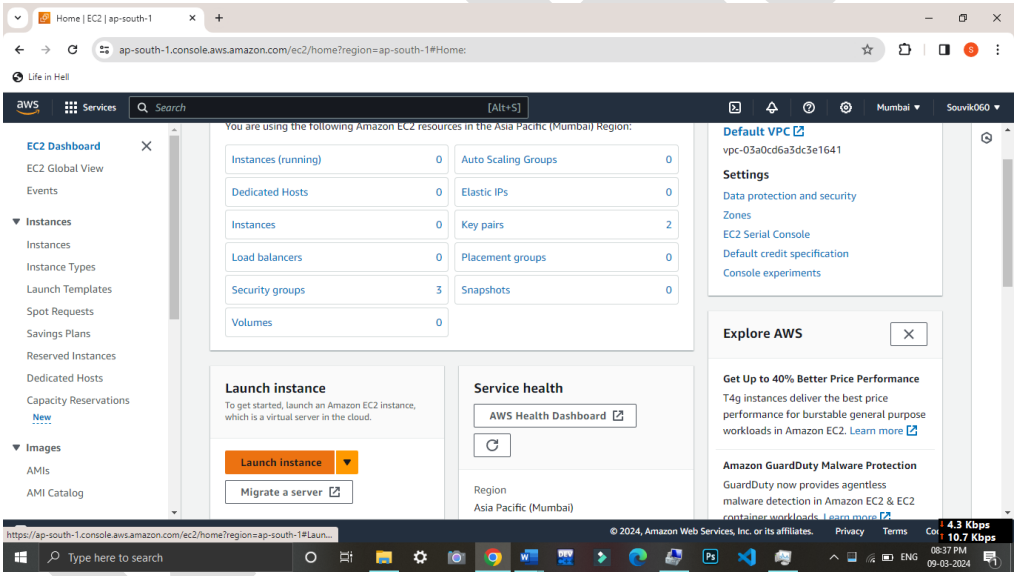
Problem Statement: Hosting a website on EC2.

Steps :

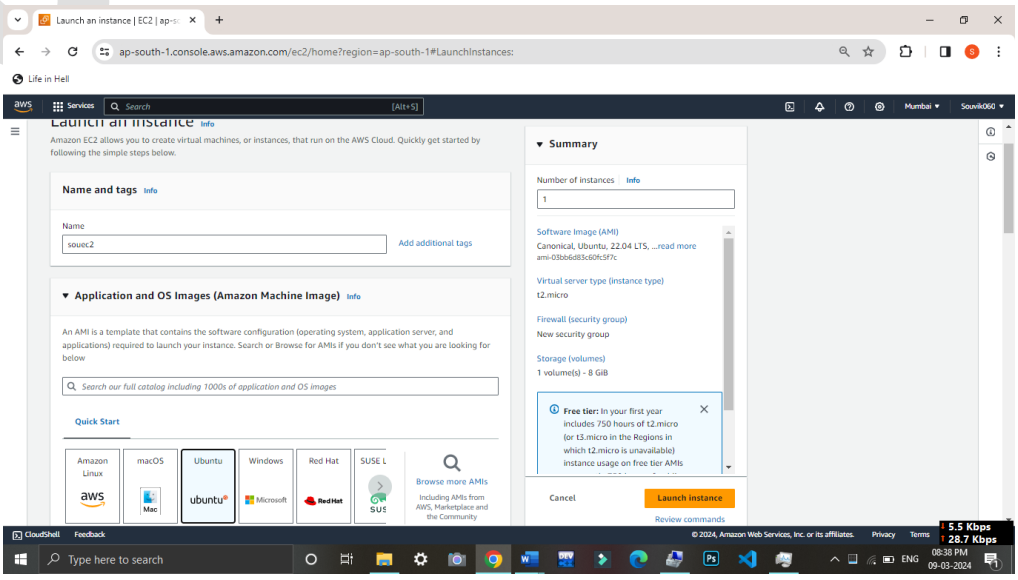
1. Sign in to you AWS console and search for ‘EC2’ then click on it.



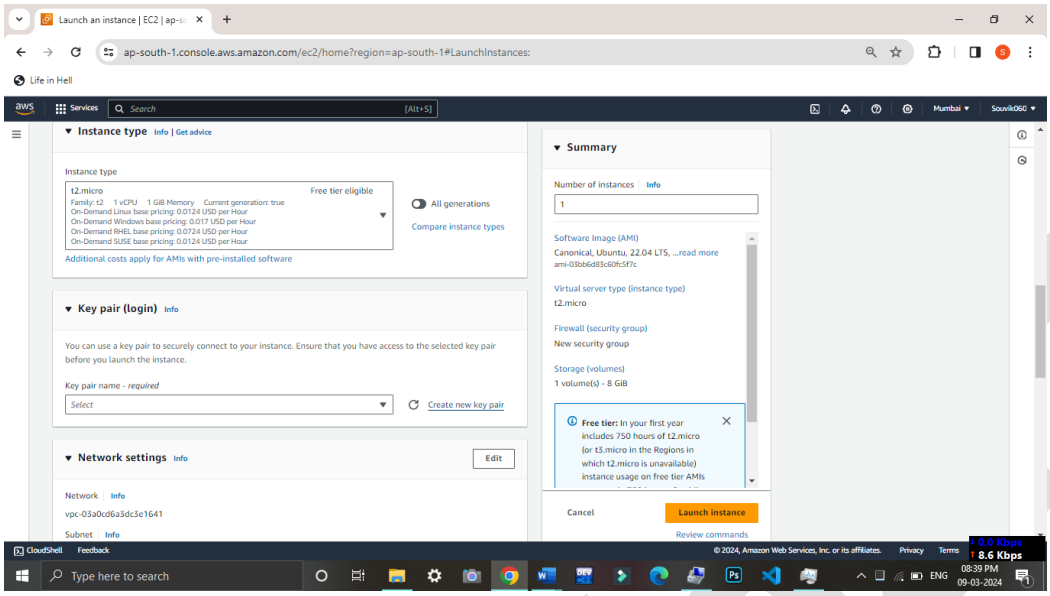
2. Click on ‘Launch Instance’.



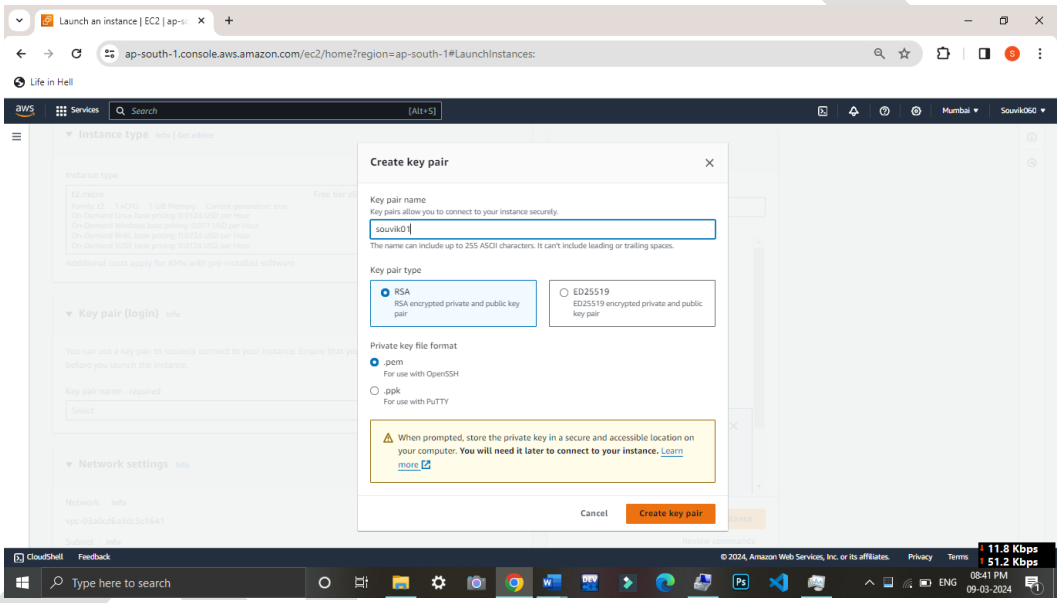
3. Give a name for our instance and select Ubuntu as our OS shown in below image.

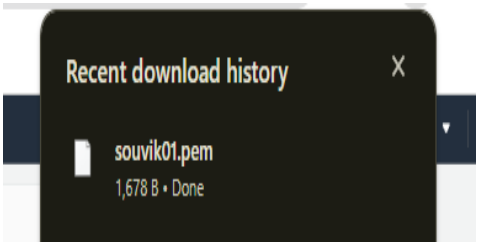


4. Now scroll down to Key pair(login) section and select “Create new key pair” or use an existing keypair whose .pem file is available, choose the required pair and skip the next step and go to to step 6.

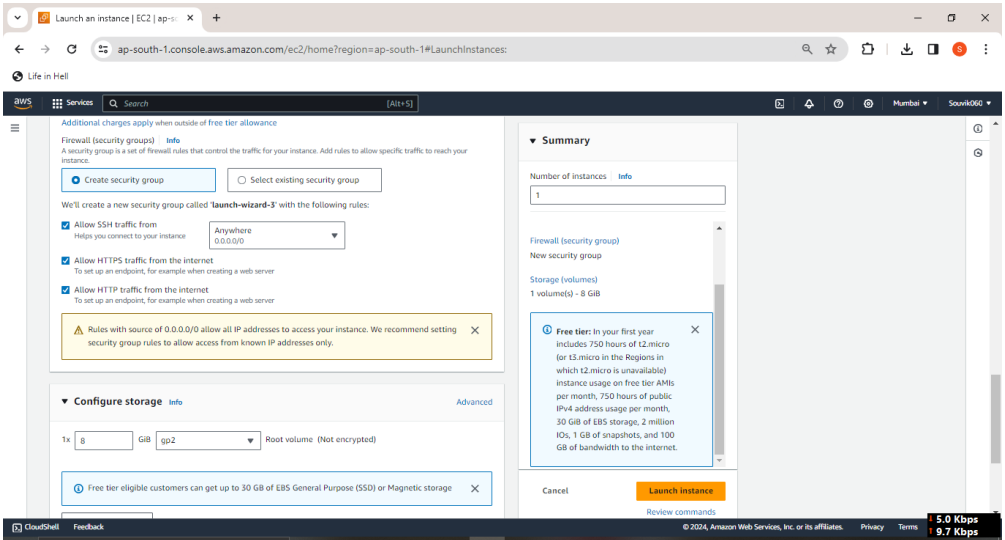


5. (For creating newkey pair) Now give a name for the key pair and choose RSA type and .pem format, then click on “Create key pair” . The respective .pem file should automatically be downloaded to our PC but if prompted, allow this download.

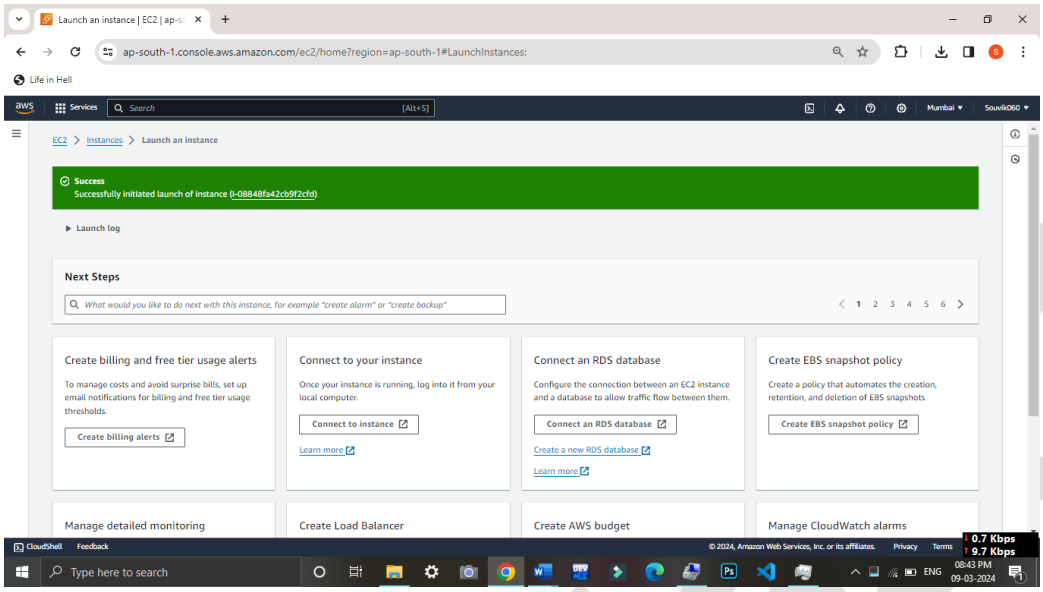




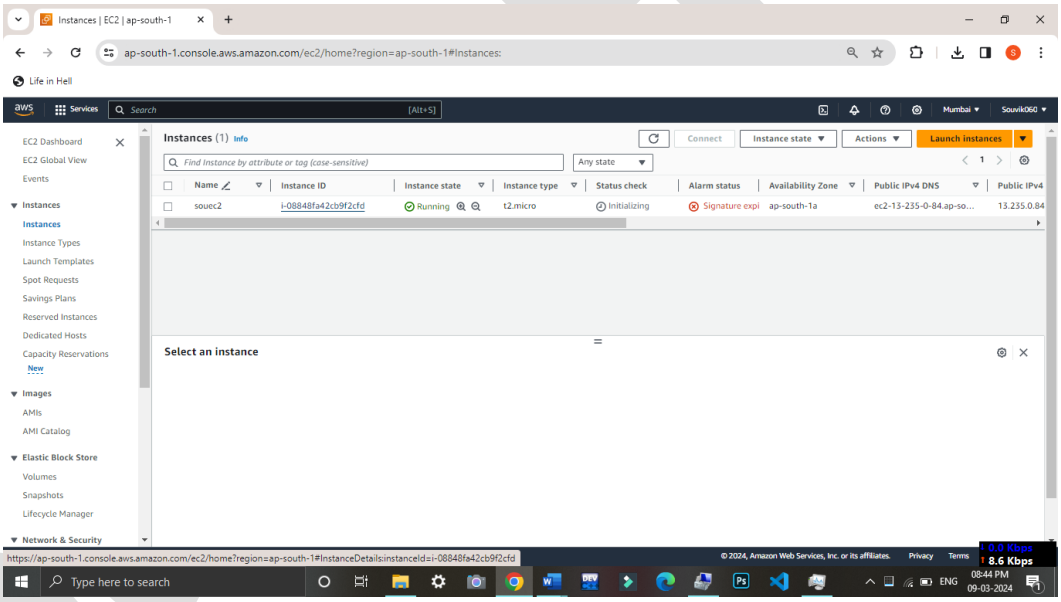
6. Now allow all 3 protocols SSH, HTTP, HTTPS and then click on “Launch Instance”.



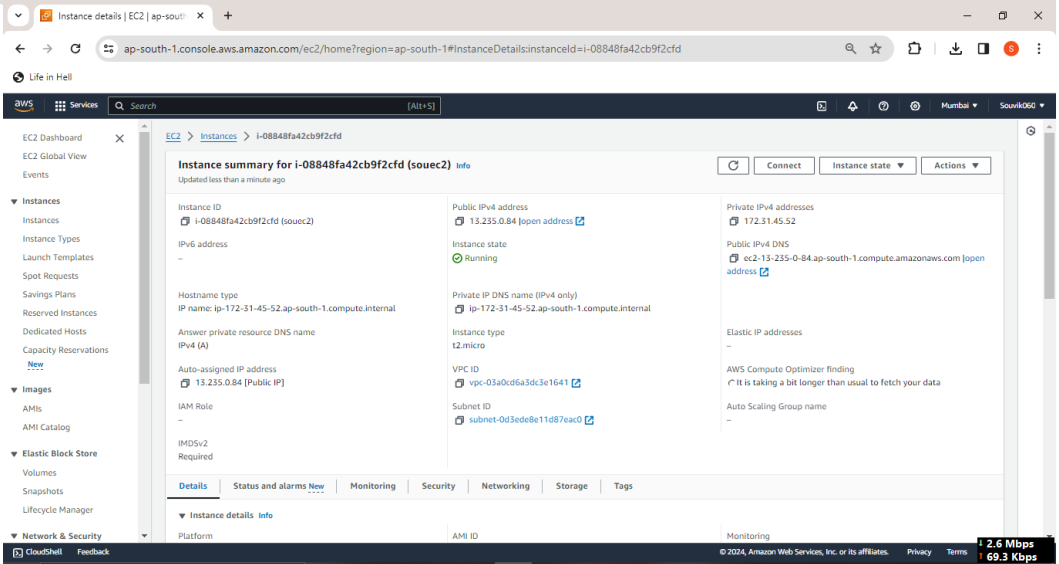
7. Now the instance is created successfully .



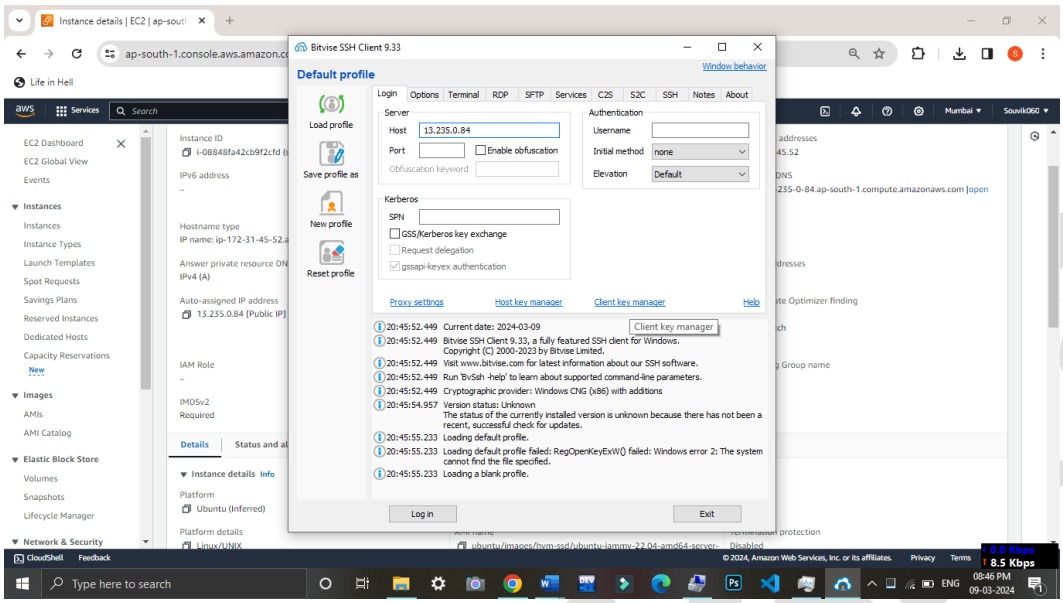
8 . After successful launch of instance, go to “Instances” section on the left hand menu. Now click of the Instance ID of our newly created instance.



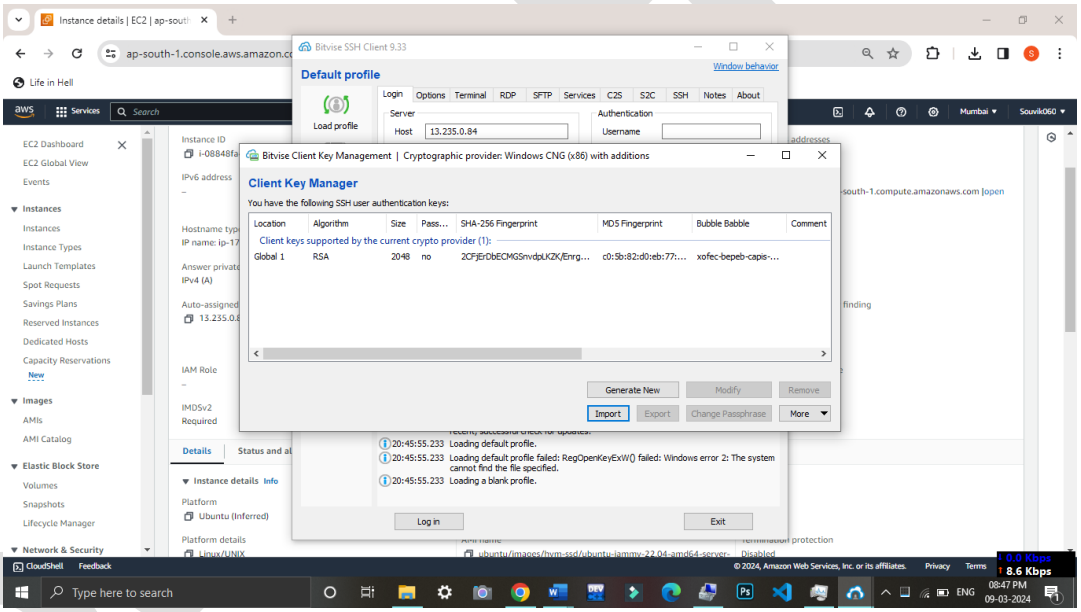
9. Now copy the Public IPv4 address(13.235.0.84).



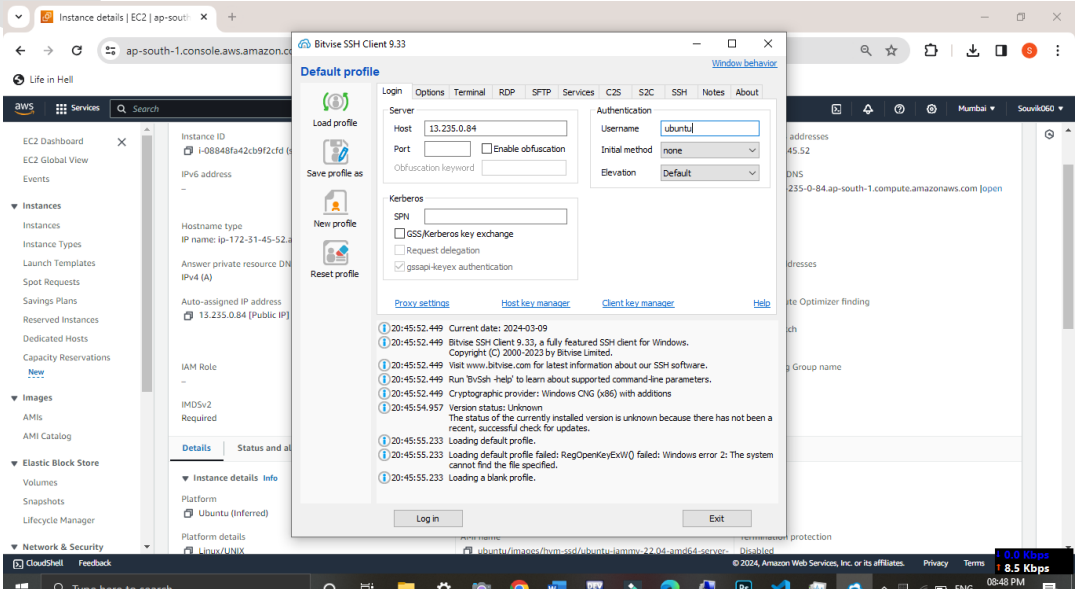
10. Open Bitwise SSH client and paste the copied IPv4 address in ‘Host’. Then click on “Client key manager”.



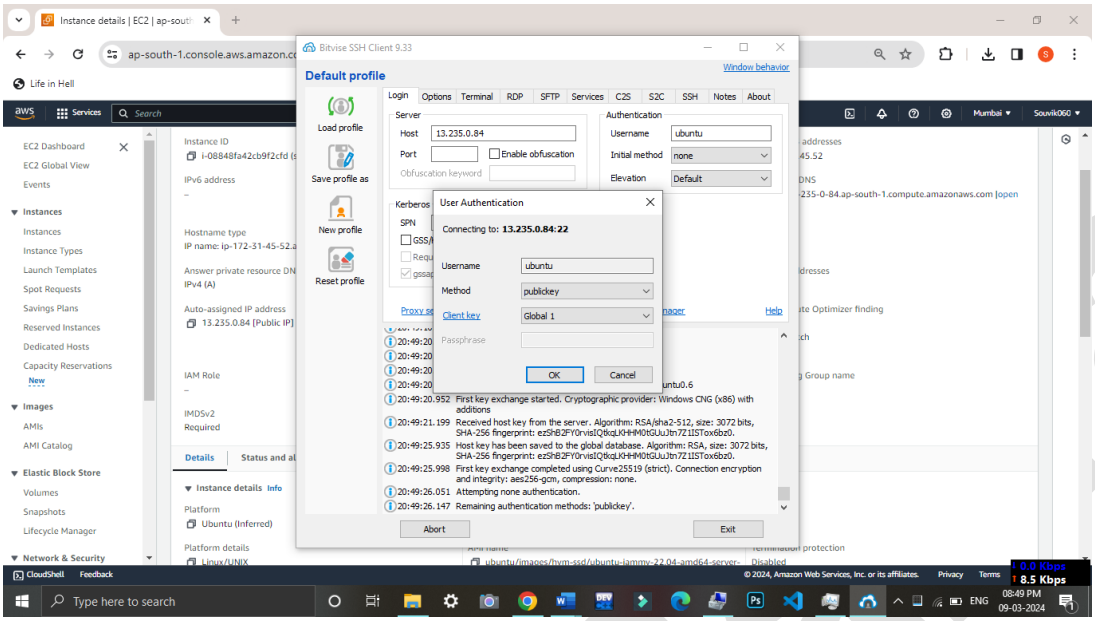
11. Remove if any key already present, then click on ‘Import’ and select the .pem file downloaded in Step 5 and Import it.



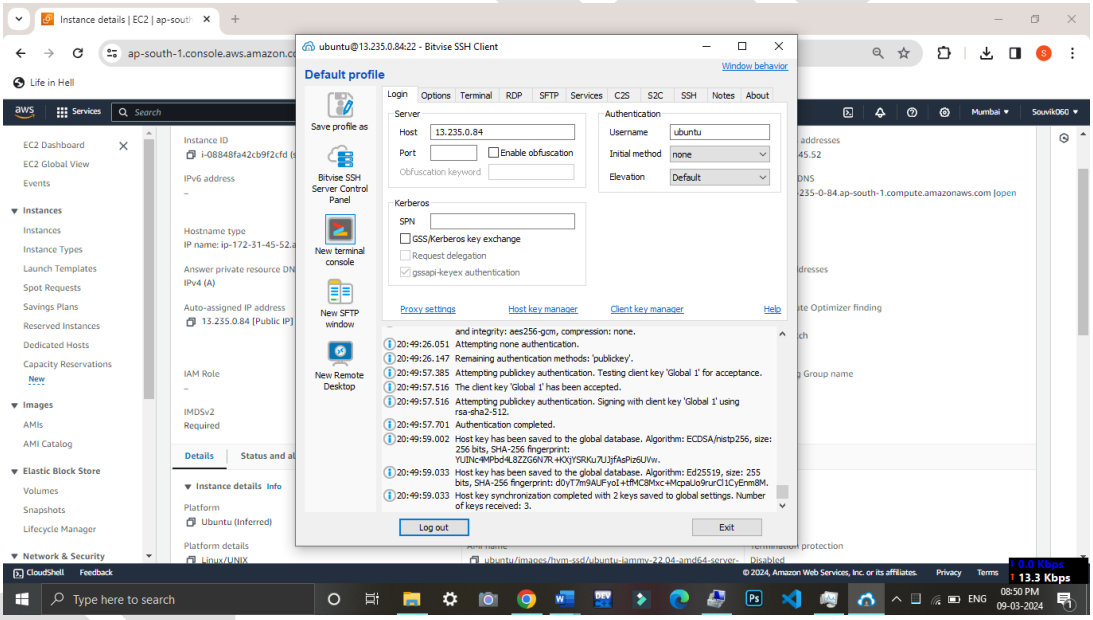
12. Now, set username as ‘ubuntu’ and click on “Log in”.



13. In the login window, select the respective key, here “Global 1”. Then click on ok to login.



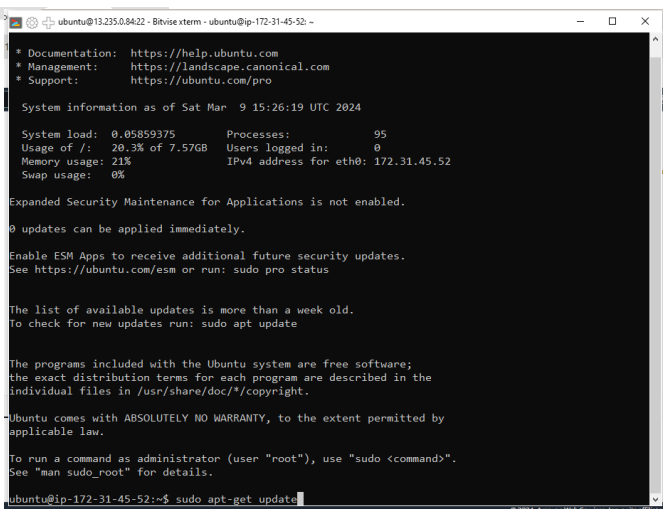
14. After successfully log in click on ‘New terminal console’.

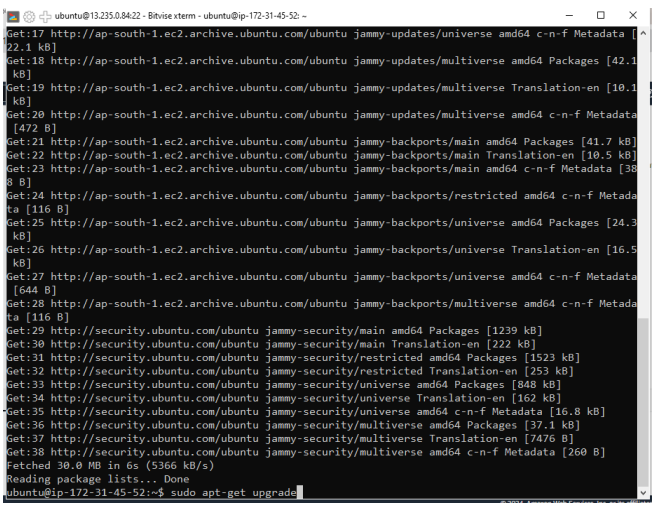


15. Now run the commands

- ➔ sudo apt-get update
- ➔ sudo apt-get upgrade

in the terminal.

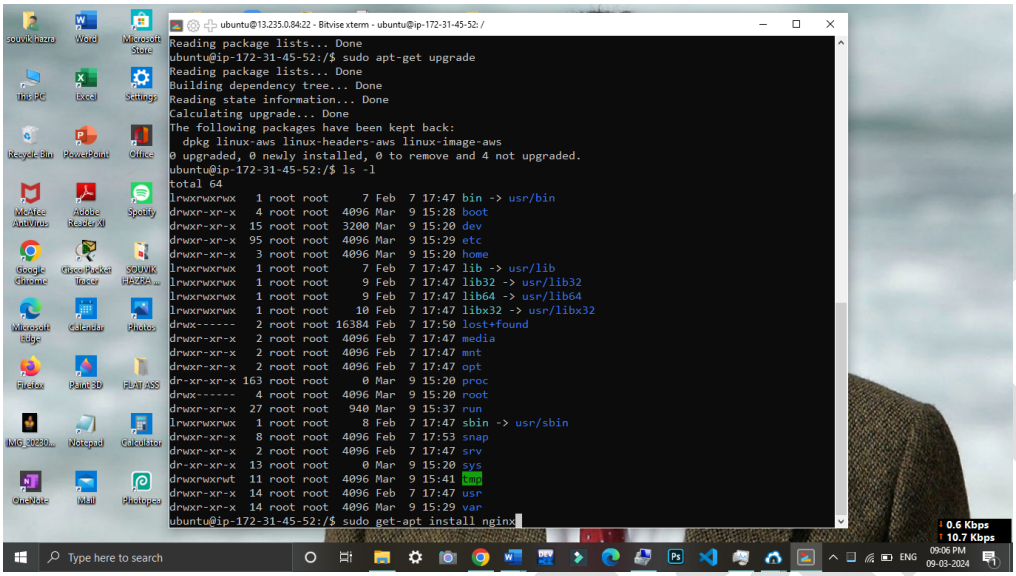




16. Now run the command

➔ sudo apt-get install nginx

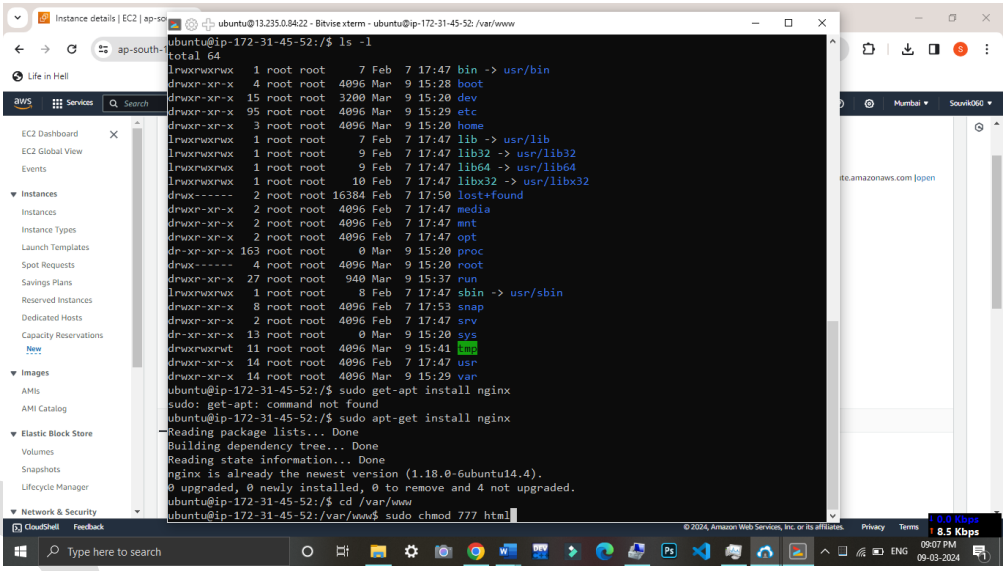
to install nginx.



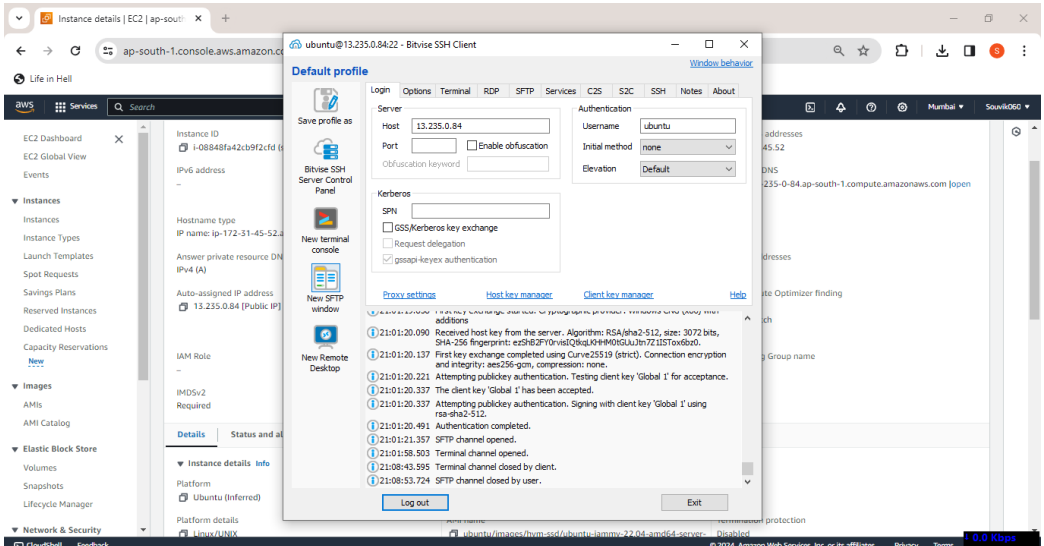
17. Now we need to access the contents of /var/www/html folder for this we need to modify the permissions of the folder using the following commands.

➔ cd /var/www

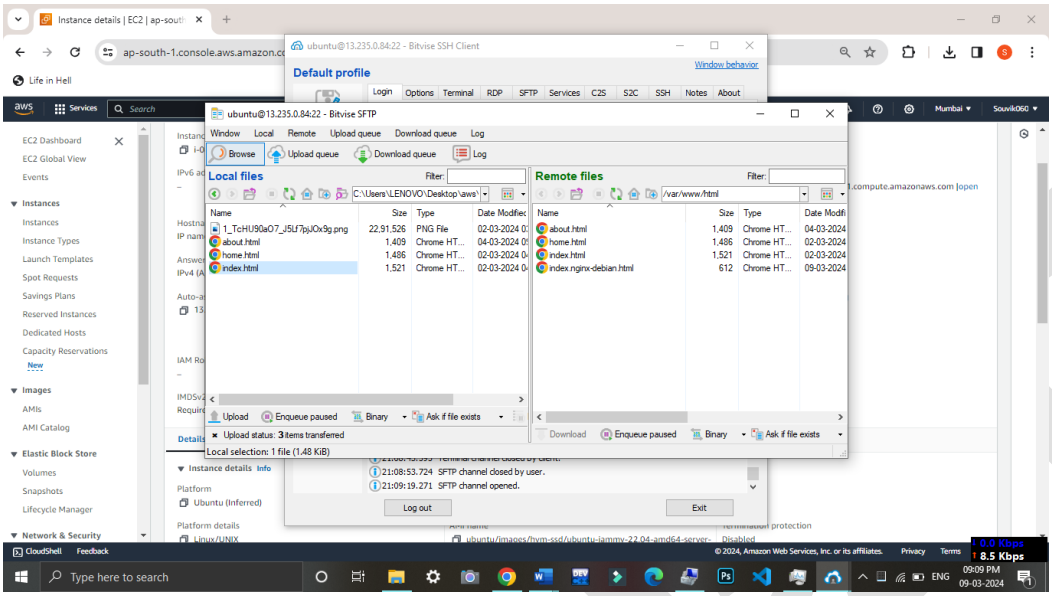
➔ sudo chmod 777 html



18. Now open a SFTP window by clicking on “New SFTP window” in Bitwise Client.



19. Now in the client side open the folder where html files for the website are stored and in the server side open /var/www/html folder .Then drag all the required files from client side to the server side as below image.



20. Now paste the Public IPv4 address of our instance on a new browser window or incognito tab to view our website. It is hosted successfully .