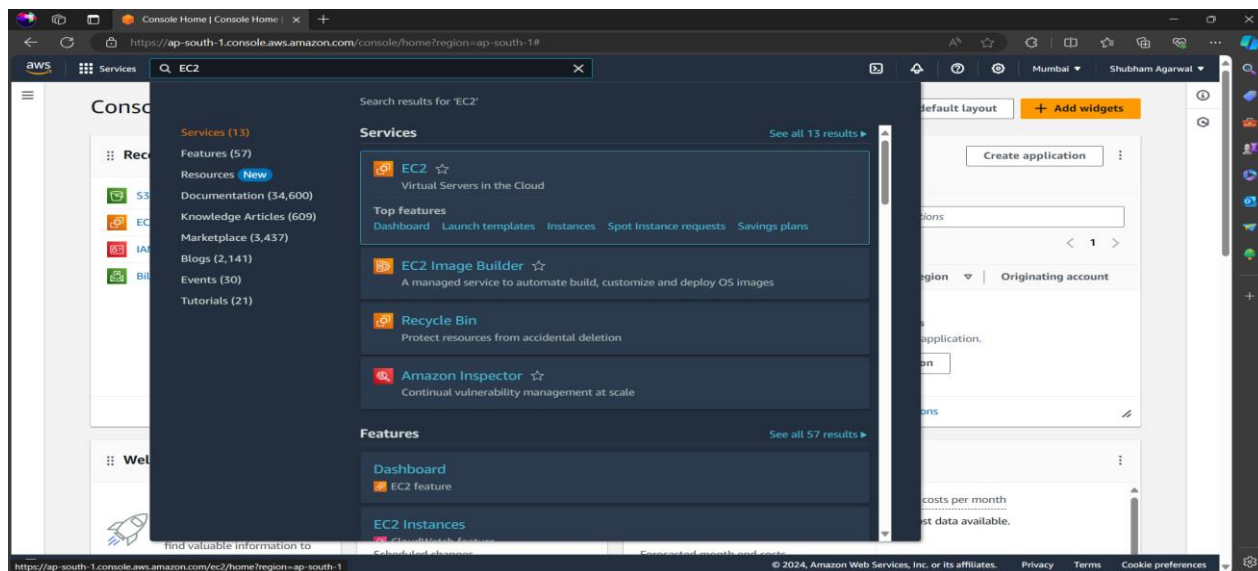


Assignment No : 7

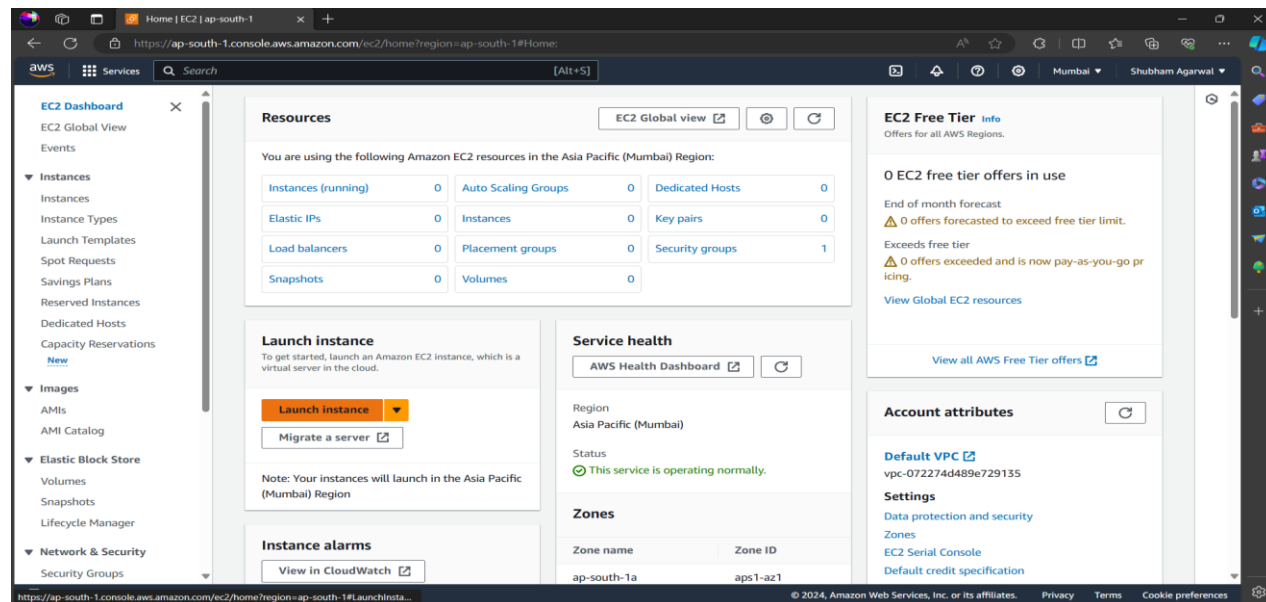
Problem Statement : Hosting a Website on EC2.

Steps :-

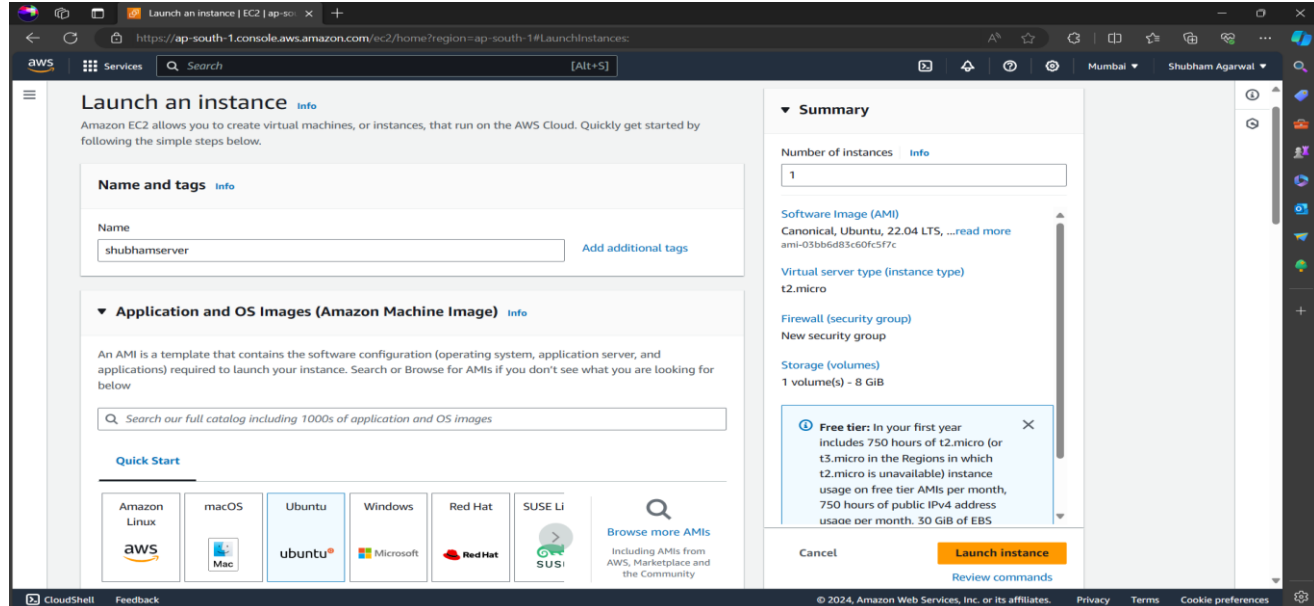
1. Create 3 Static Webpages using HTML.
2. Click on the “EC2” button.



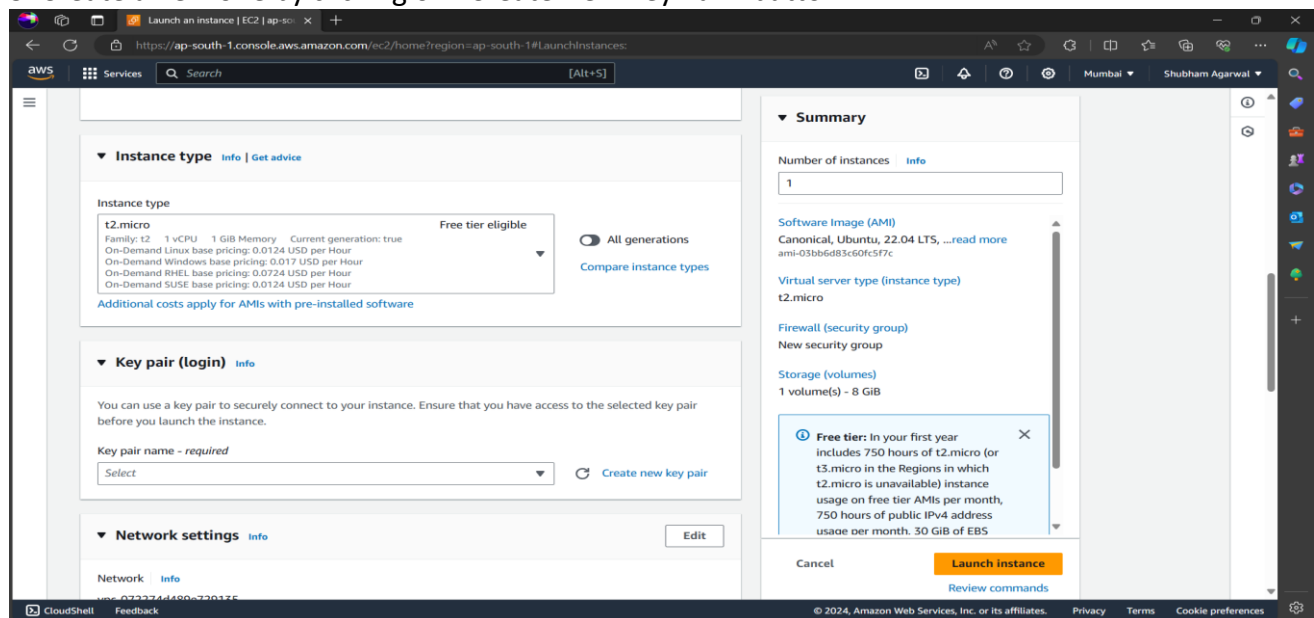
3. Click on the “Launch Instance” button.



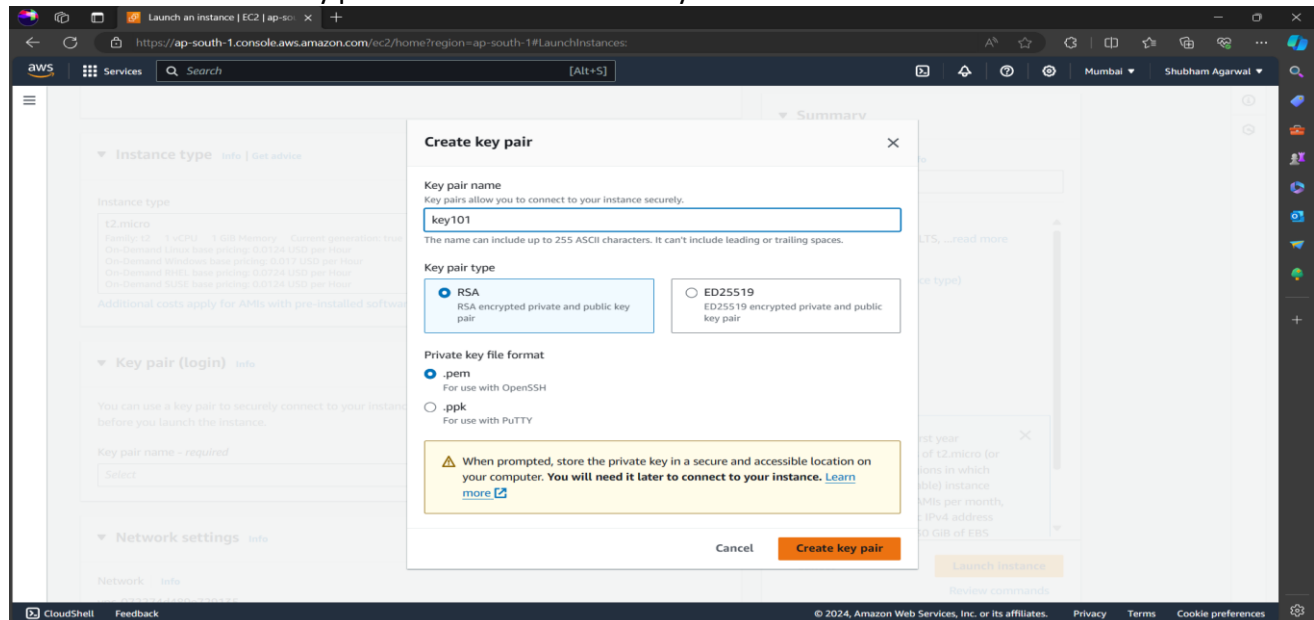
4. Give a name to the instance & select “Ubuntu” .



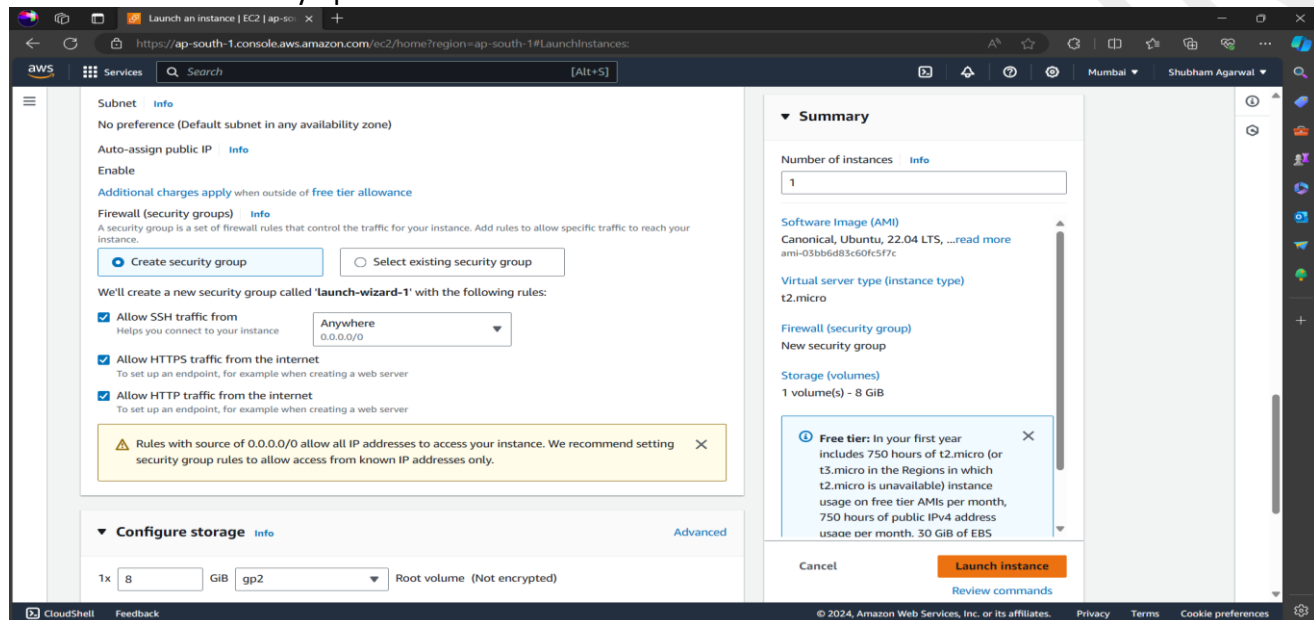
5. Create a new one by clicking on “Create New Key Pair” button.



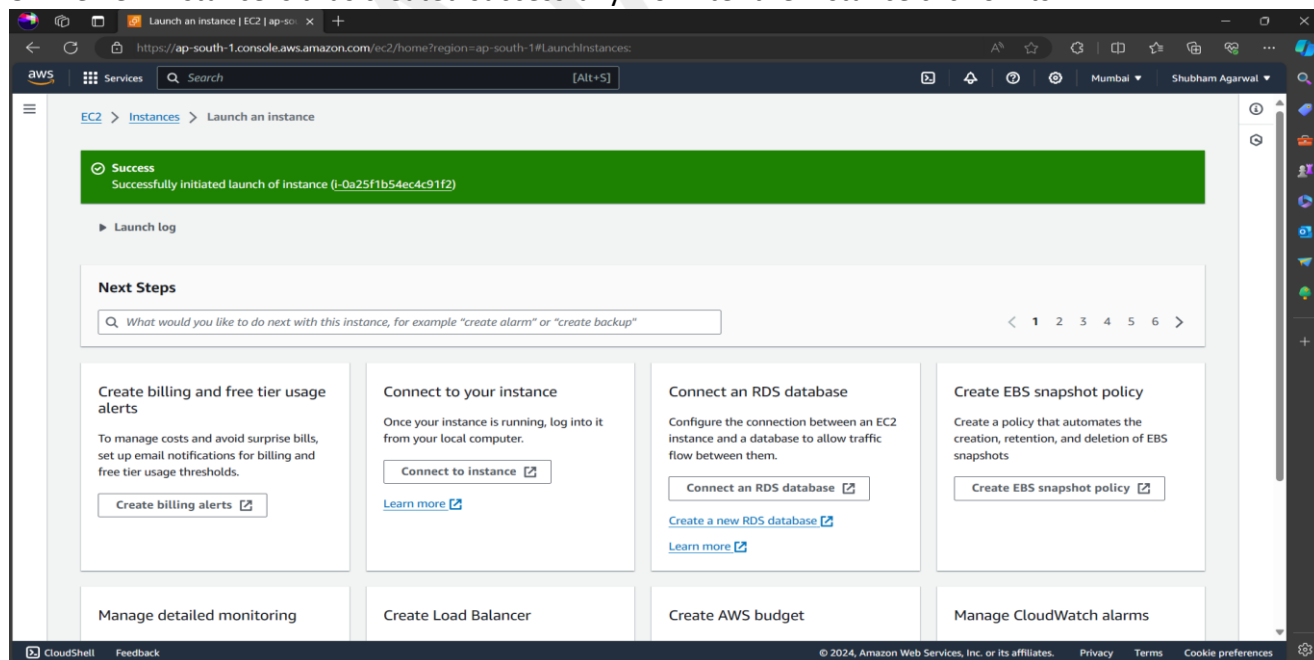
6. Give a name to the key pair. Then click “Create Key Pair”.



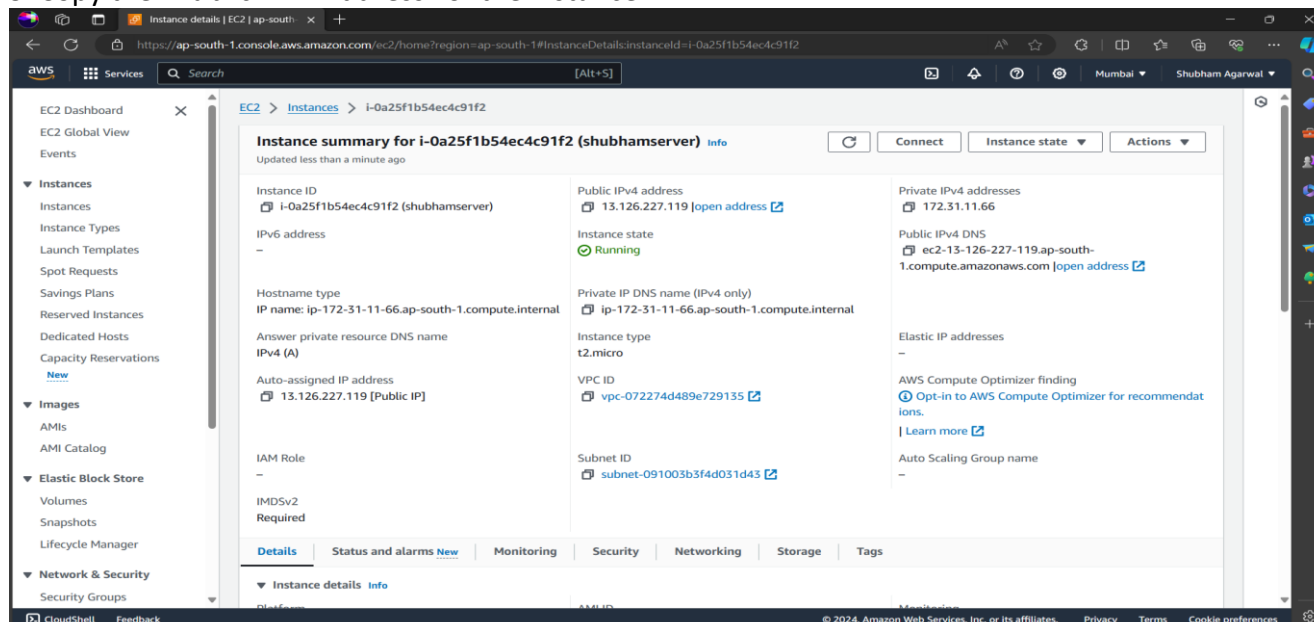
7. Select all the Security options. Then click on “Launch Instance”.



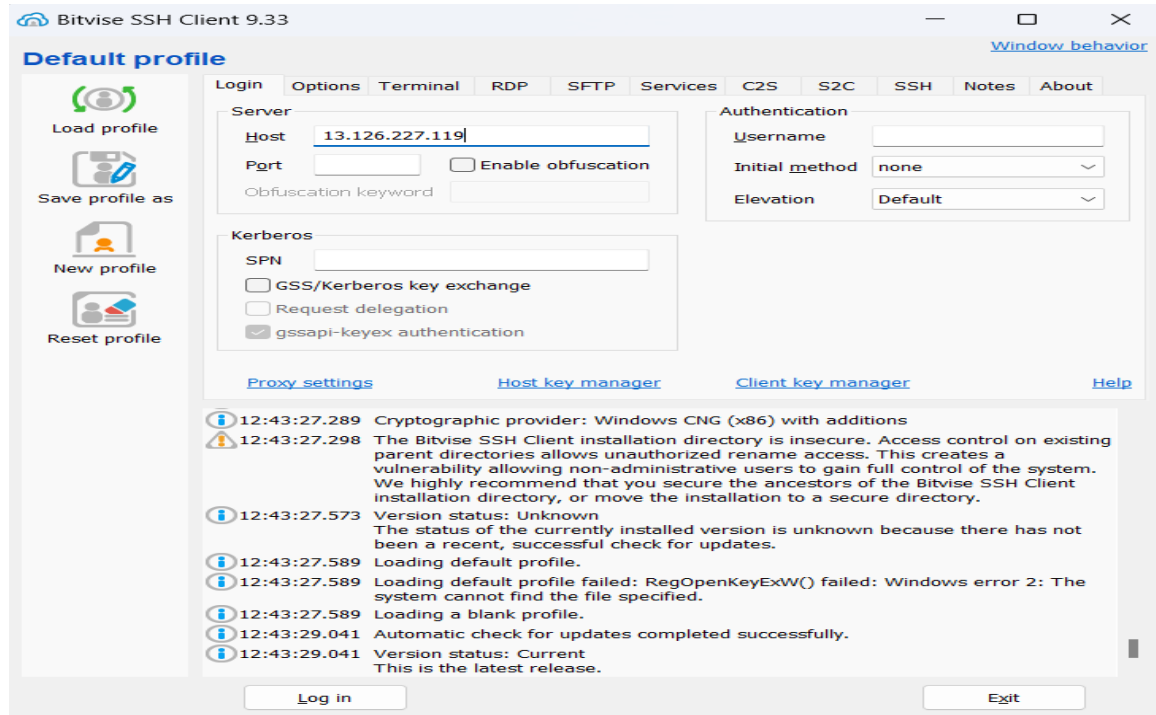
8. The new instance is thus created successfully. To Enter the Instance click on its ID.



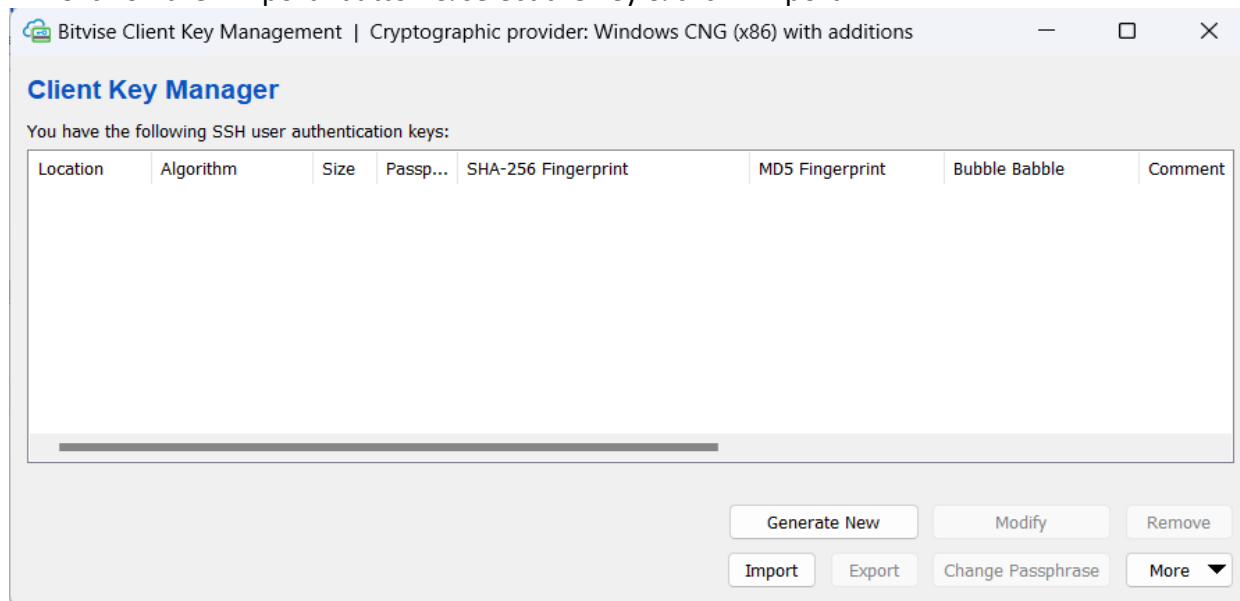
9. Copy the “Public IPv4 Address” of the instance.



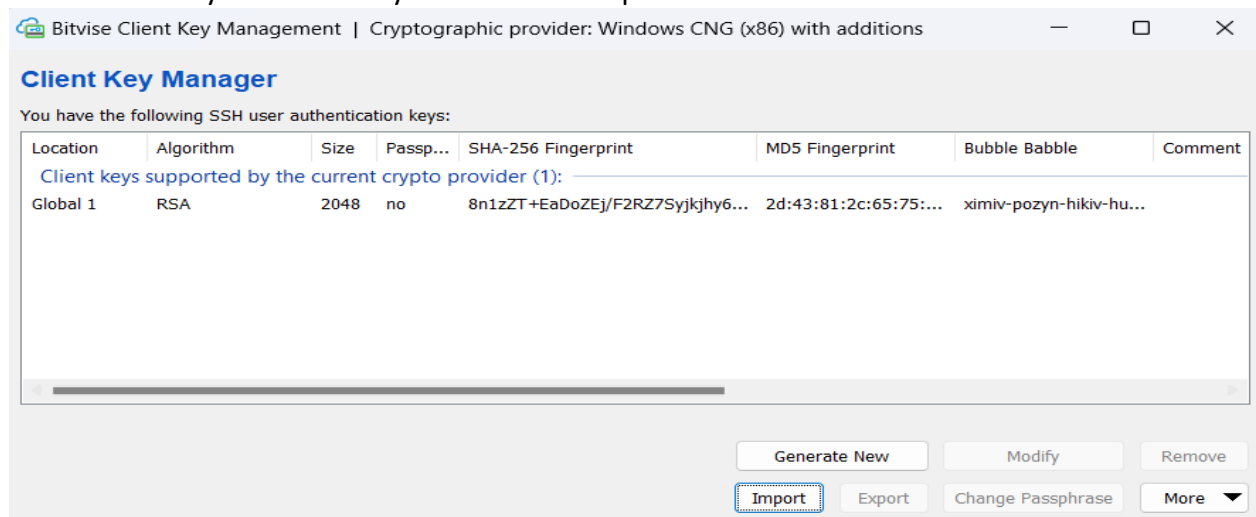
10. Open Bitvise SSH Client , and paste IP address under Host. Then go to the “Client Key Manager” option.



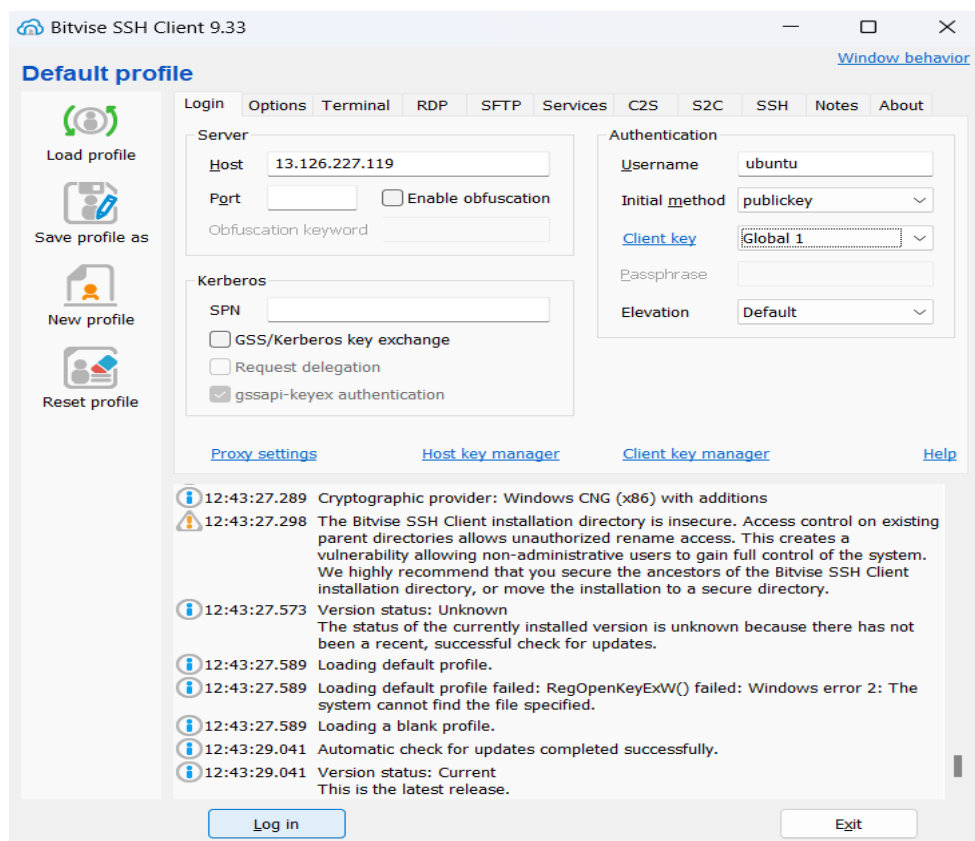
11. Click on the “Import” button & select the key & click “Import”.



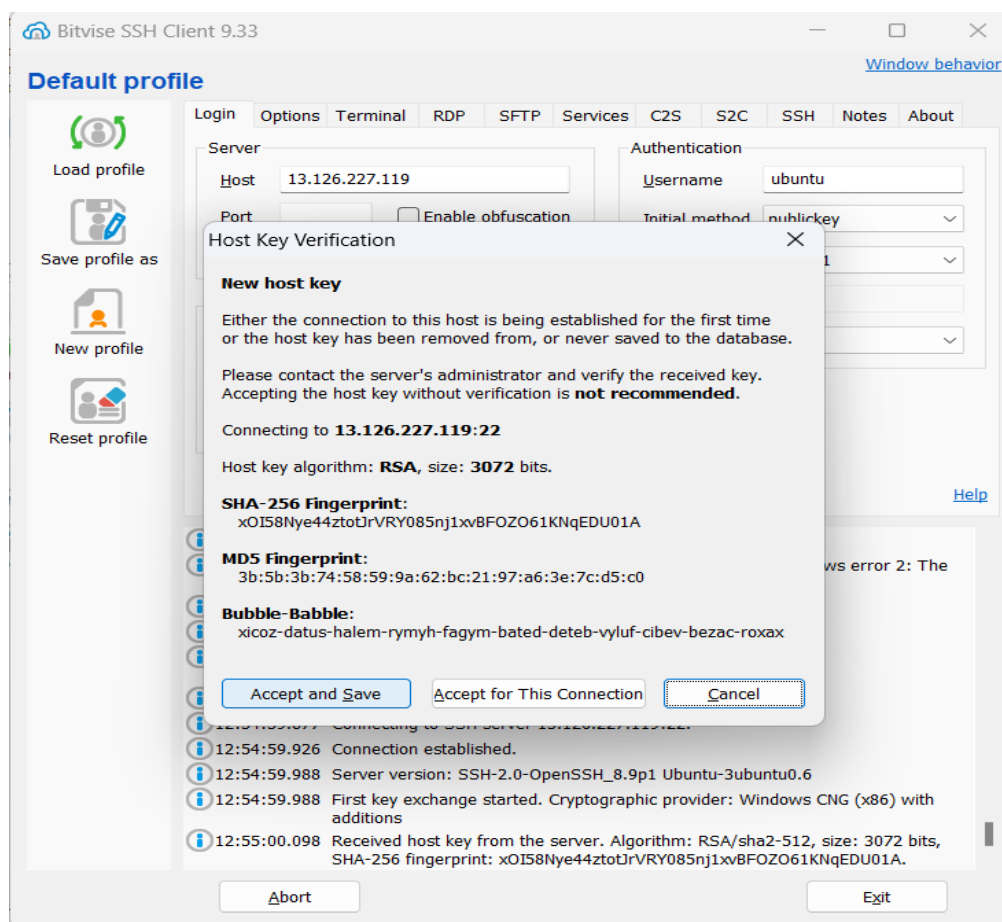
12. The new key is successfully added. Click “Import”.



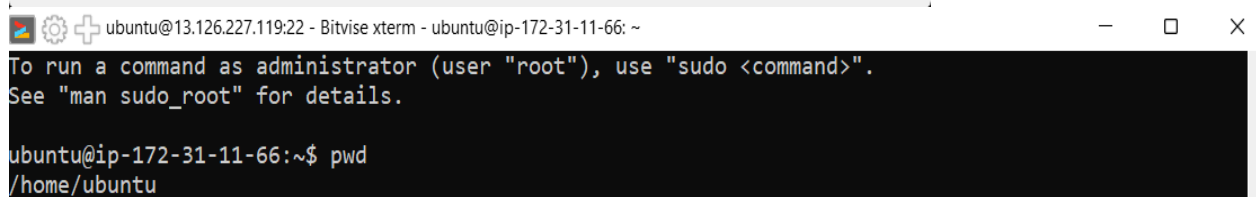
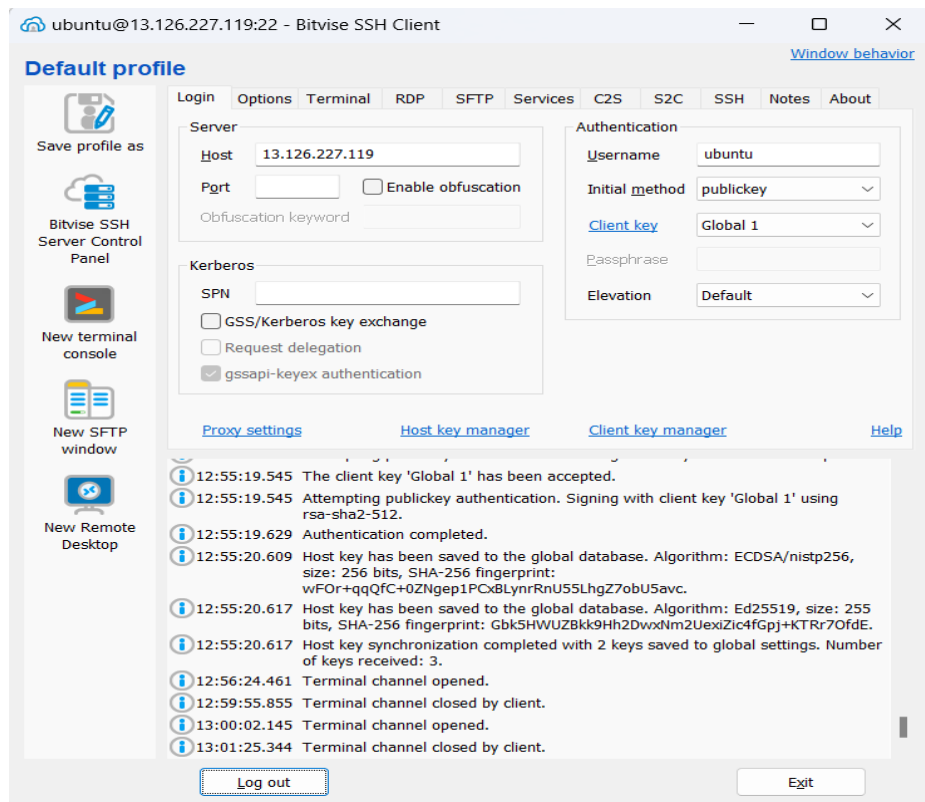
13. Give the username as “ubuntu”, select Initial method as “Public Key” & select Client key as “Global1”. Then click the “Log in” button.



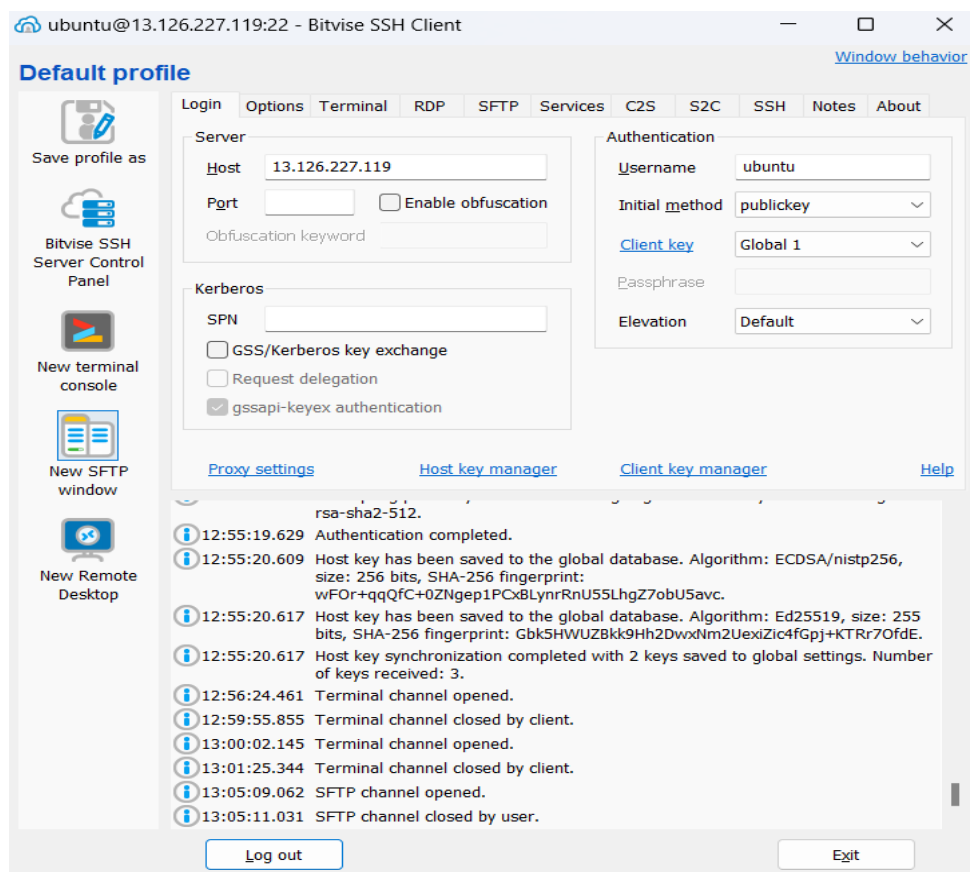
14. Click on the “Accept & Save” button.



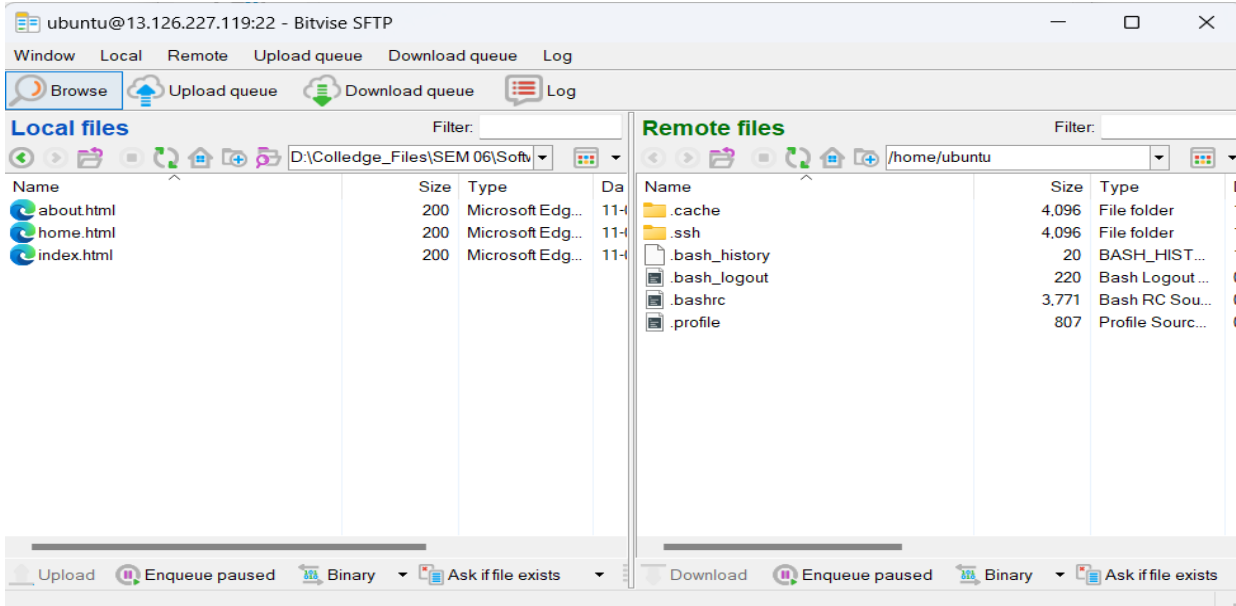
15. Now the client is connected.



16. Click on the “New SFTP Window” button.



17. Under Local Files open the folder where the HTML files are present.



18. Go to the terminal and type the following commands:

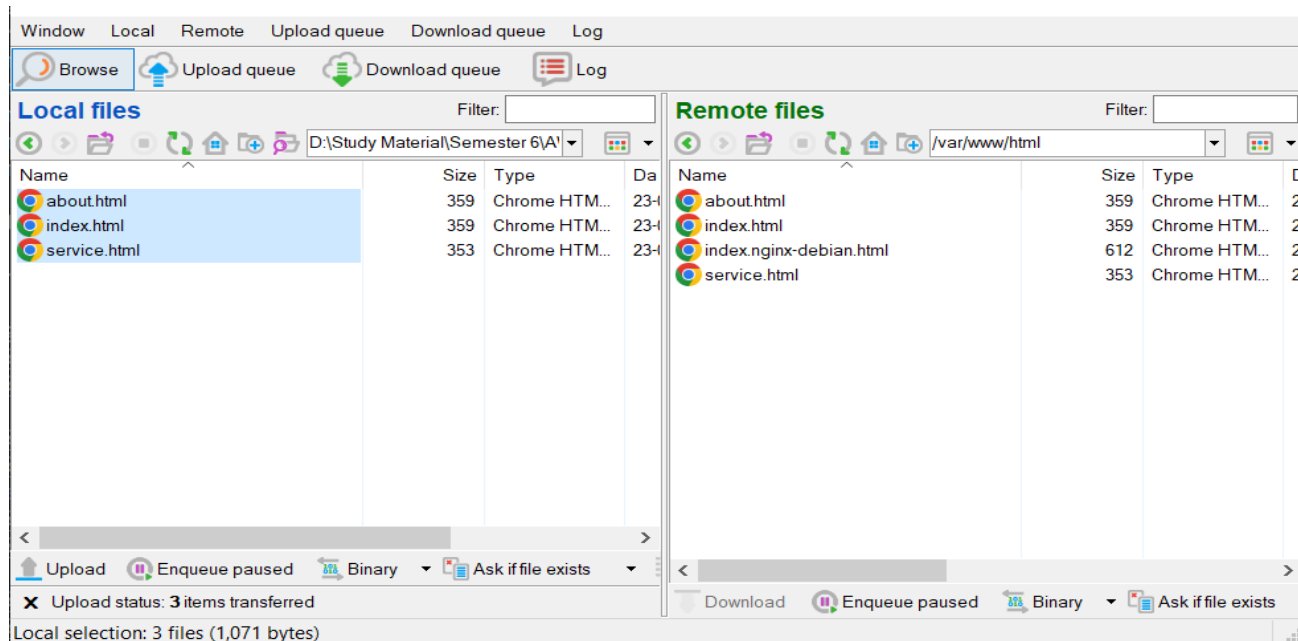
“sudo apt-get update “ , “sudo apt-get upgrade “ , “sudo apt-get install nginx “

```
ubuntu@ip-172-31-11-66:~$ sudo apt-get update
Fetched 30.0 MB in 6s (5378 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-11-66:~$ sudo apt-get install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3
  libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream
Suggested packages:
  libgd-tools fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3
  libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream
0 upgraded, 20 newly installed, 0 to remove and 3 not upgraded.
Need to get 2693 kB of archives.
After this operation, 8350 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
```

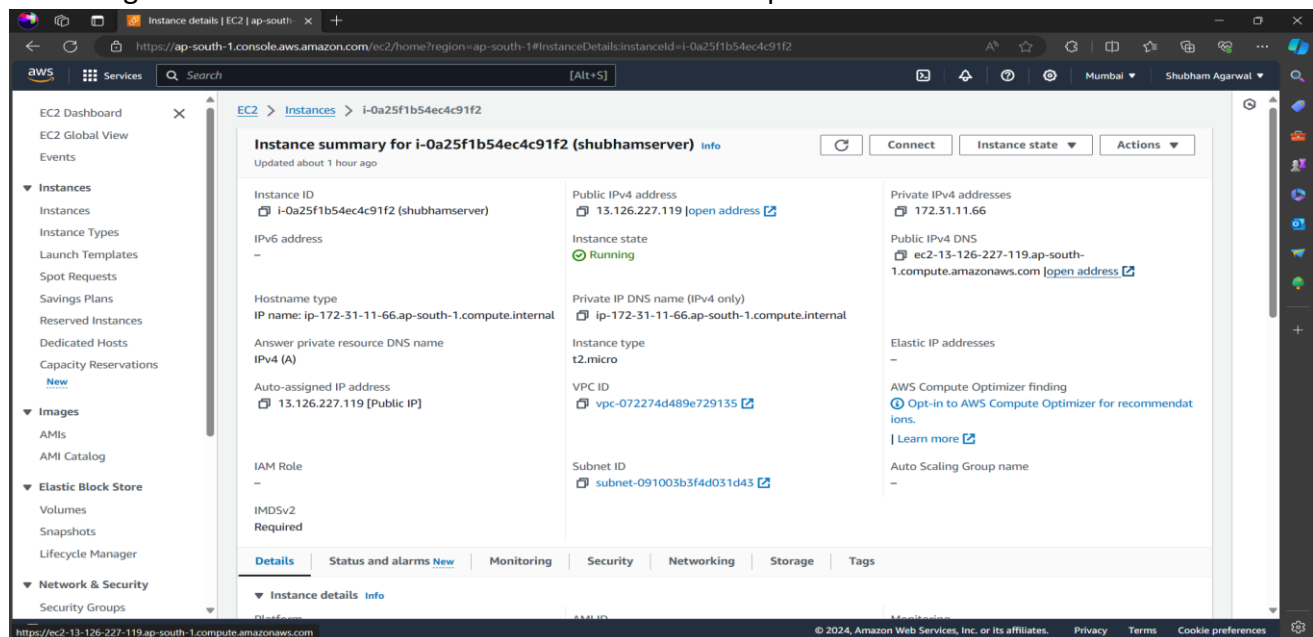
19. Type the command :“sudo chmod 777 html” and press “Enter”.

```
ubuntu@ip-172-31-3-144:/$ cd var
ubuntu@ip-172-31-3-144:/var$ ls
backups cache crash lib local lock log mail opt run snap spool tmp www
ubuntu@ip-172-31-3-144:/var$ cd www
ubuntu@ip-172-31-3-144:/var/www$ ls
html
ubuntu@ip-172-31-3-144:/var/www$ cd html
ubuntu@ip-172-31-3-144:/var/www/html$ ls
index.nginx-debian.html
ubuntu@ip-172-31-3-144:/var/www/html$ cd..
cd.: command not found
ubuntu@ip-172-31-3-144:/var/www/html$ cd ..
ubuntu@ip-172-31-3-144:/var/www$ sudo chmod 777 html
ubuntu@ip-172-31-3-144:/var/www$
```

20. Now going back to the “SFTP Window” under the “Remote Files” open the HTML directory and drag & drop the HTML files.



21. Now go back to the “AWS Window” and click on the “Open Address” button beside the IP address.



22. A new window will open with the webpage.

