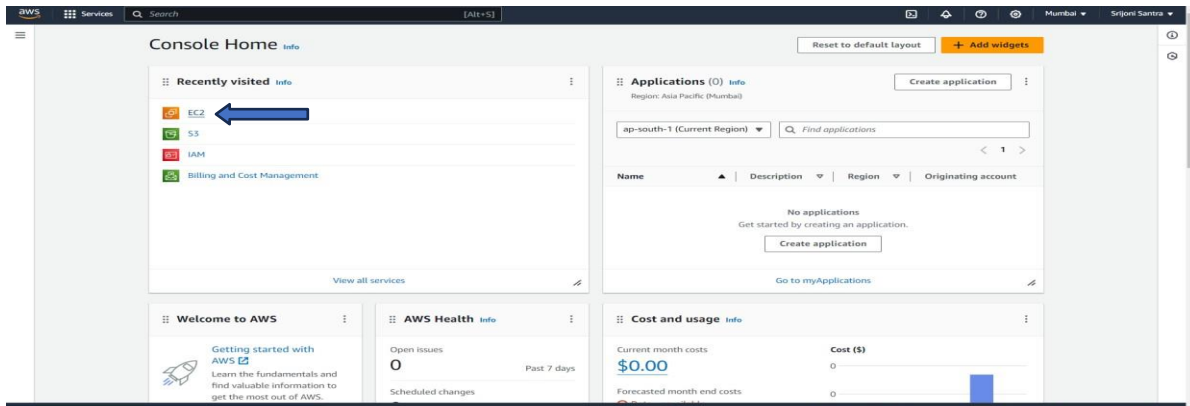


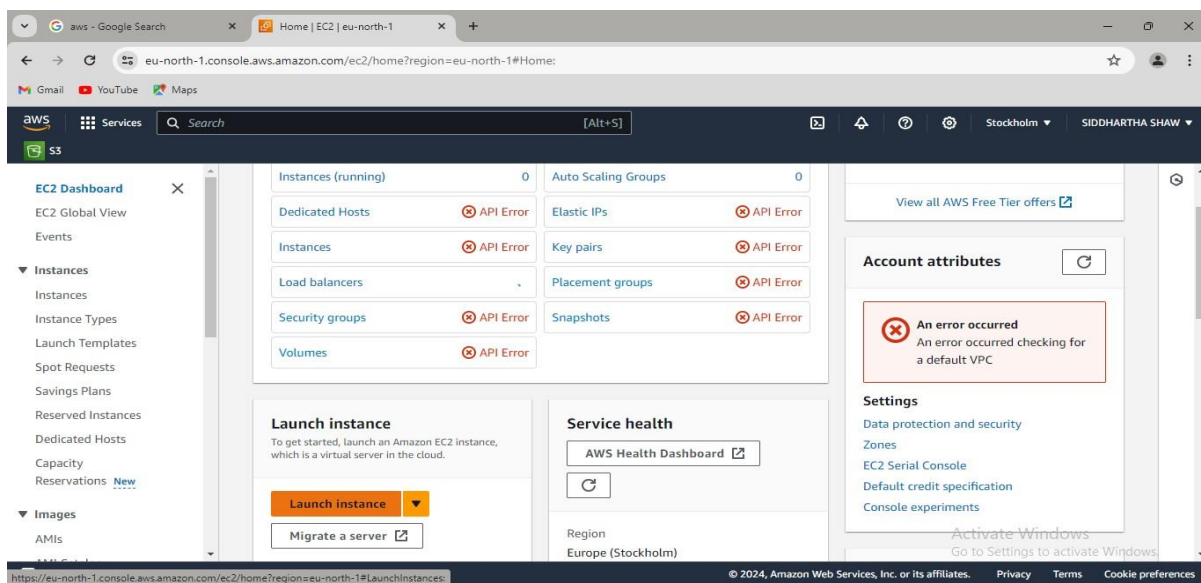
# ASSIGNMENT-10

**Problem Statement:** Deploy a project from GitHub to EC2 by creating a new securitygroup and user data.

**Step 1:** Login to the console and click on EC2.



**Step 2:** Then click on Security Groups



### Step 3: Then go to the “Create Security group”

aws Services Search [Alt+S] Stockholm SIDDHARTHA SHAW

S3

Security group name [Info](#)  
securityYoo  
Name cannot be edited after creation.

Description [Info](#)  
securityYoo

VPC [Info](#)  
vpc-06a74c8780f91ad01

Inbound rules [Info](#)  
This security group has no inbound rules.

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### Step 4: Write security group name, add inbound rules and click on “Create security group”.

aws Services Search [Alt+S] Stockholm SIDDHARTHA SHAW

S3

VPC [Info](#)  
vpc-06a74c8780f91ad01

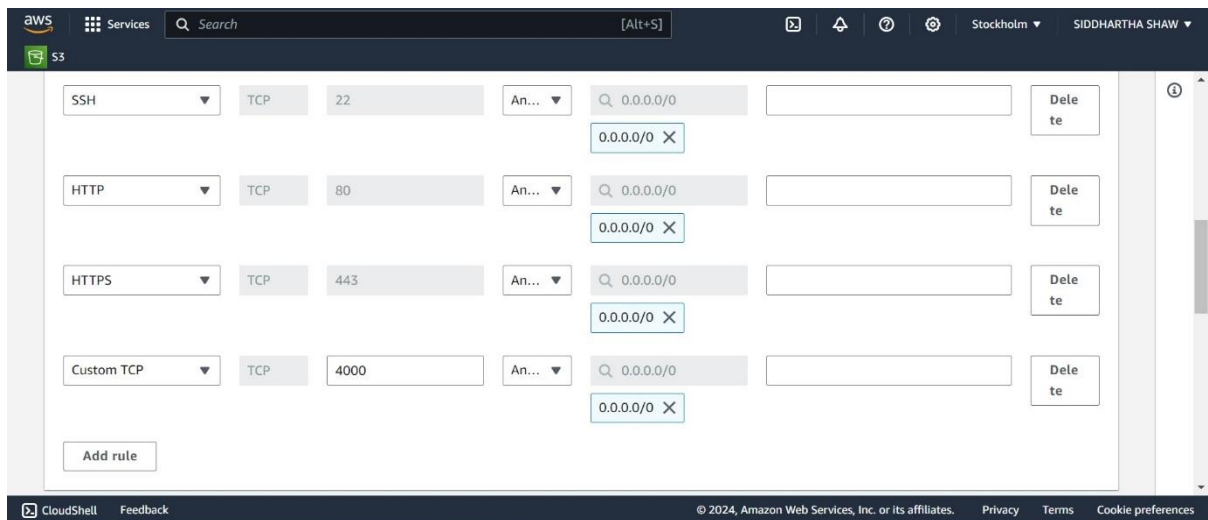
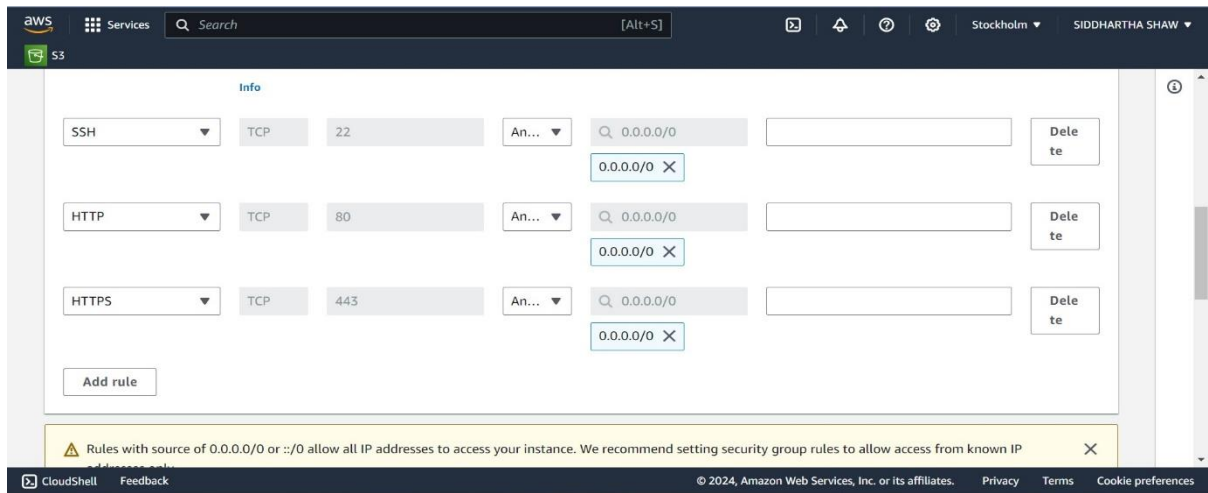
Inbound rules [Info](#)

Type <a href="#">Info</a>	Protocol <a href="#">Info</a>	Port range <a href="#">Info</a>	Source <a href="#">Info</a>	Description - optional <a href="#">Info</a>
Custom TCP	TCP	0	Cu...	

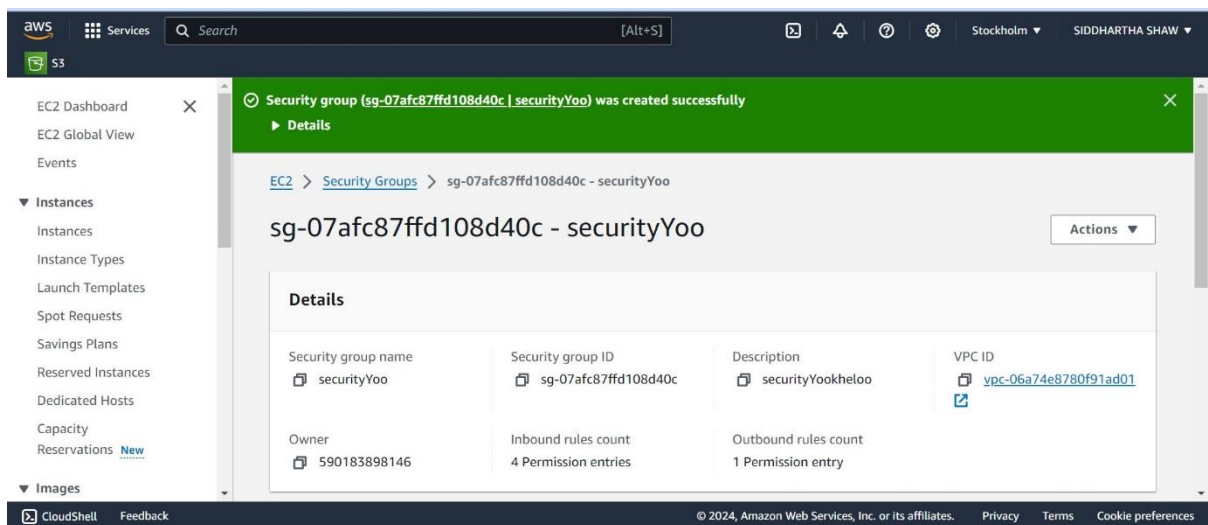
Add rule

Outbound rules [Info](#)

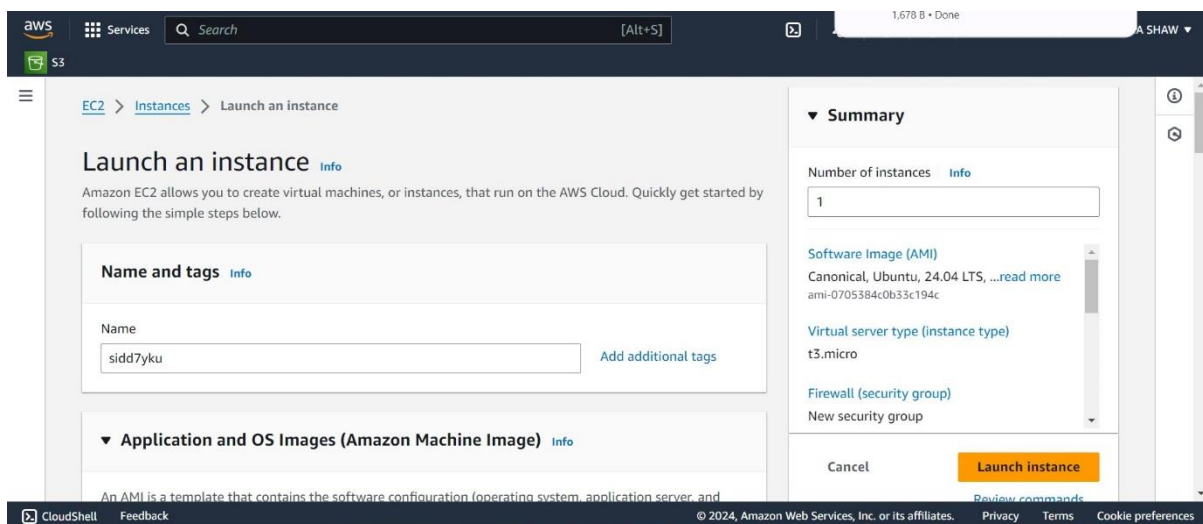
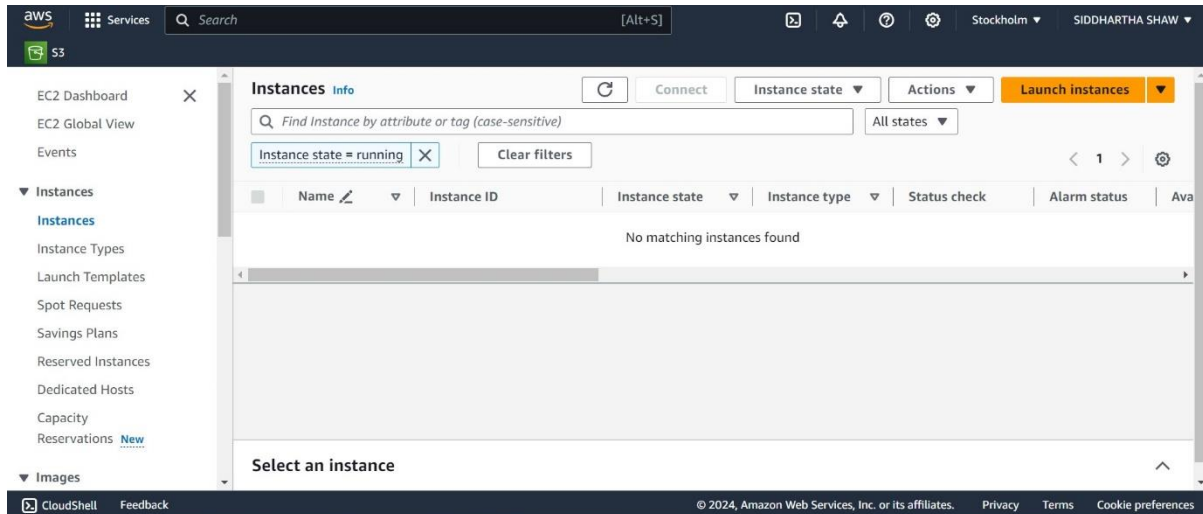
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Step 5: after that security group is created successfully.



**Step 6:** The security group is created. Now go to the EC2 and click on “Launch Instances”.



**Step 7:** create the key pair and go the further steps.

aws

Services

Search

[Alt+S]

Stockholm

SIDDHARTHA SHAW

Key pair (login)

You can use a key pair to securely connect to your instance before you launch the instance.

Key pair name - required

Select

Network settings

Network

Info

Key pair name

Key pairs allow you to connect to your instance securely.

siddbbook

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

Cancel

Create key pair

CloudShell

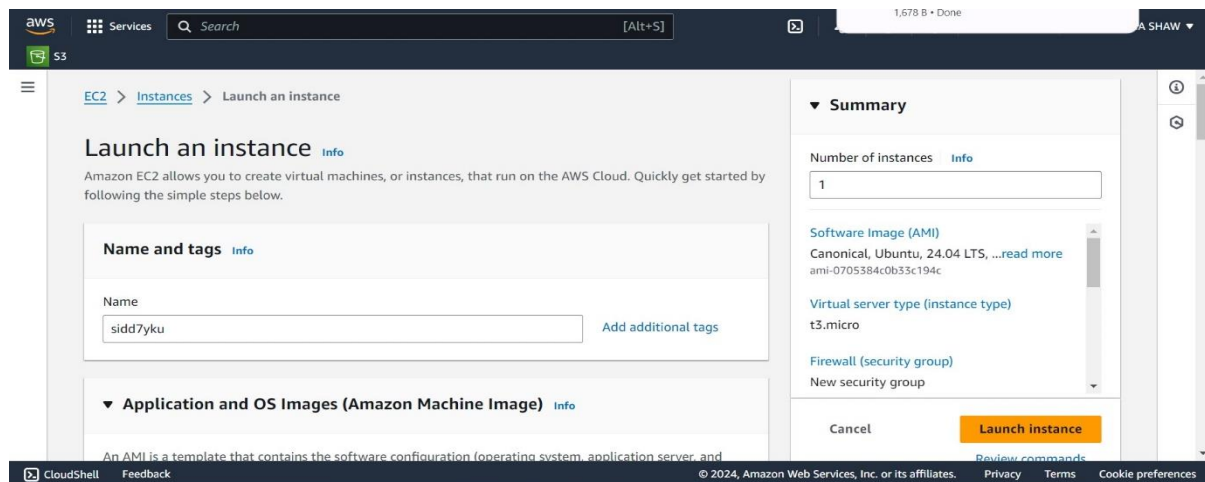
Feedback

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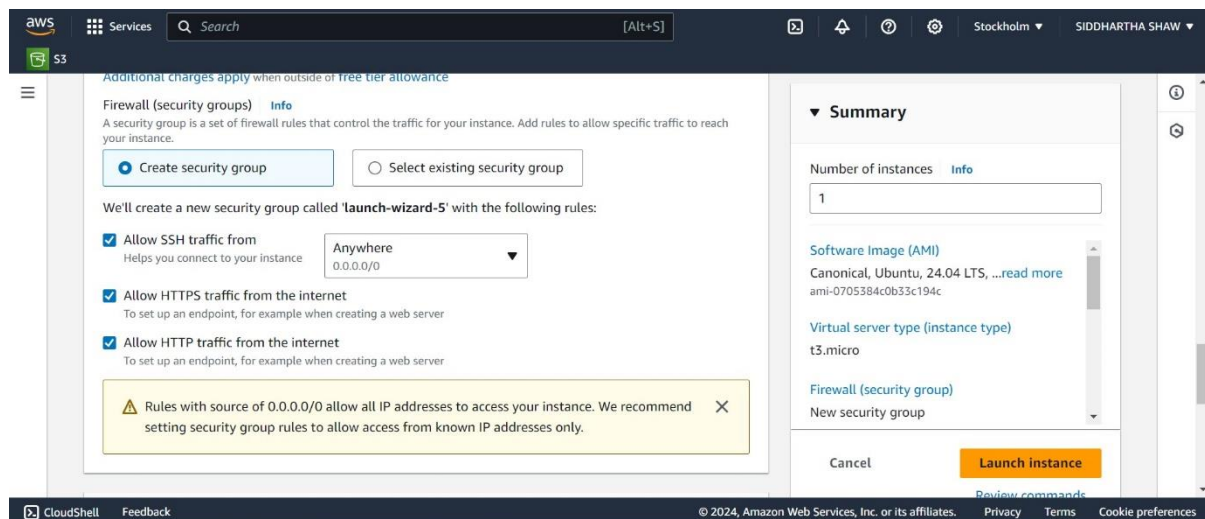
Privacy

Terms

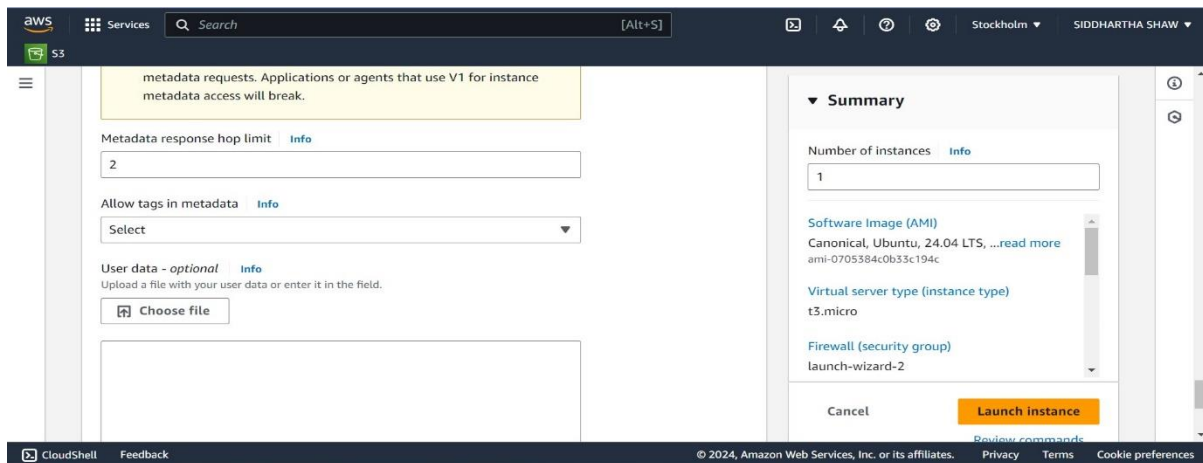
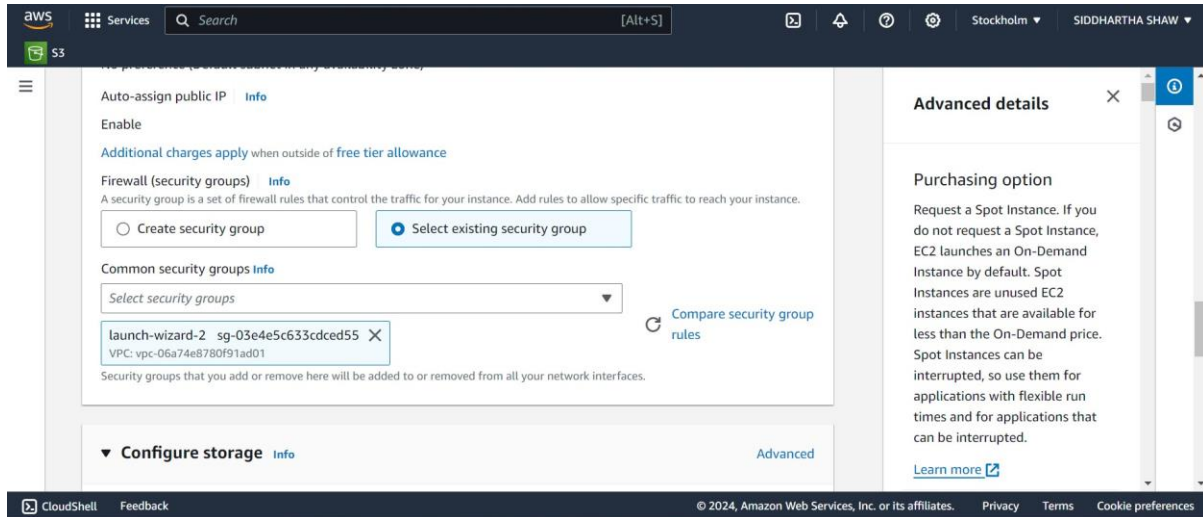
Cookie preferences



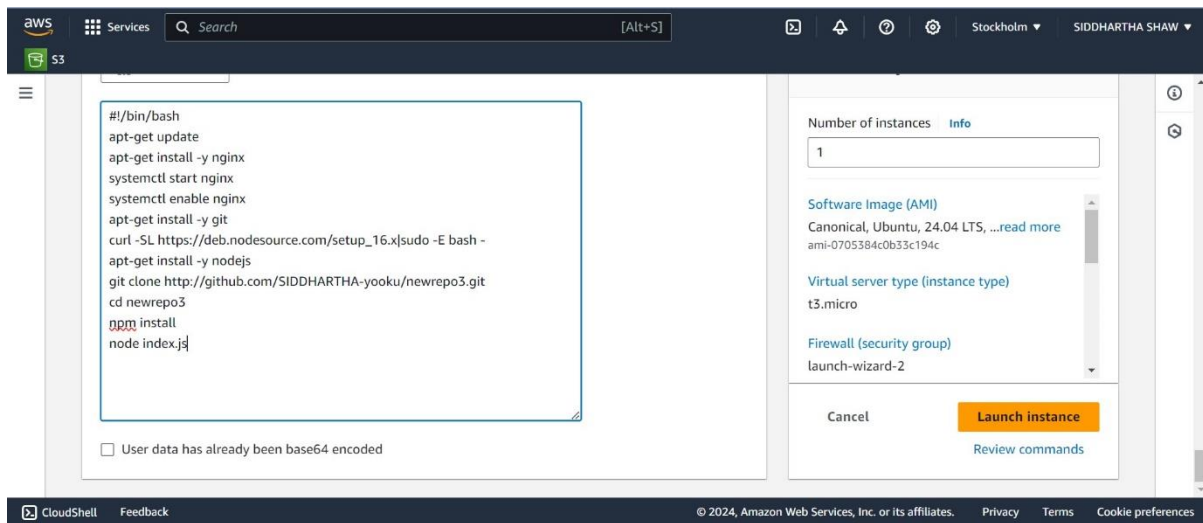
**Step 8:** select the SSH, HTTPS, HTTP and move it.



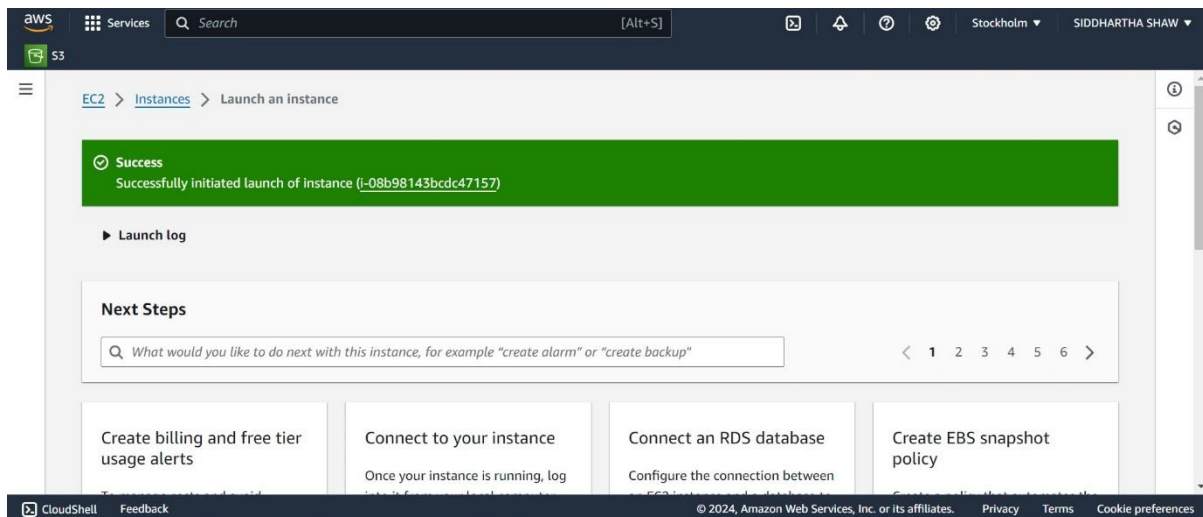
**Step 9:** Select the option "Select existing security group" and choose the newly created security group.



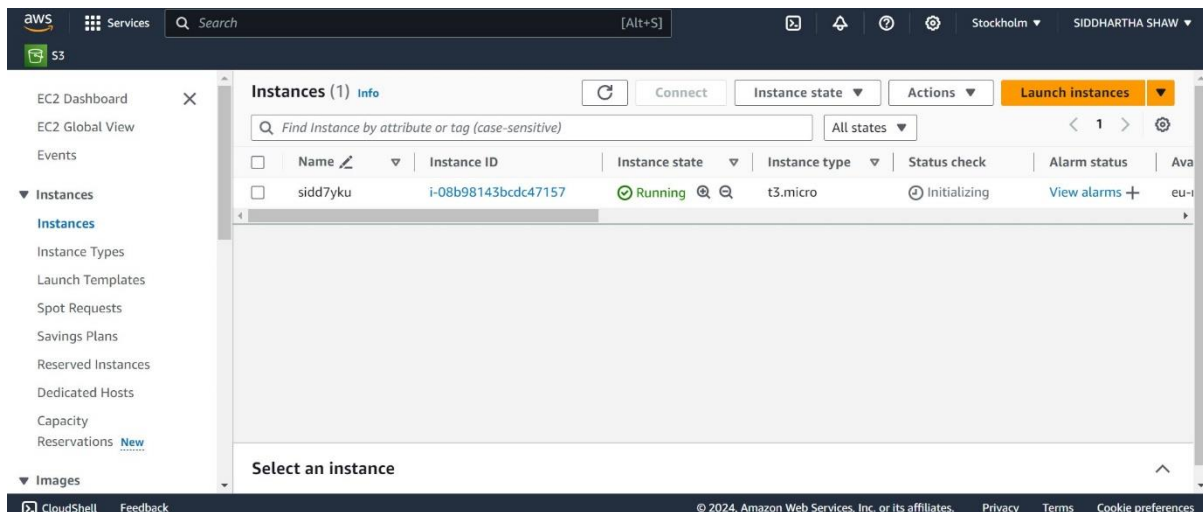
**Step 10:** Then click on the “advanced details” & write the commands and click on “Launch Instances”.



**Step 11:** after that the instance lunch successfully.



**Step 12:** now we go the view instance and copy the public **ipv4** adresss to check whether it is run or not.





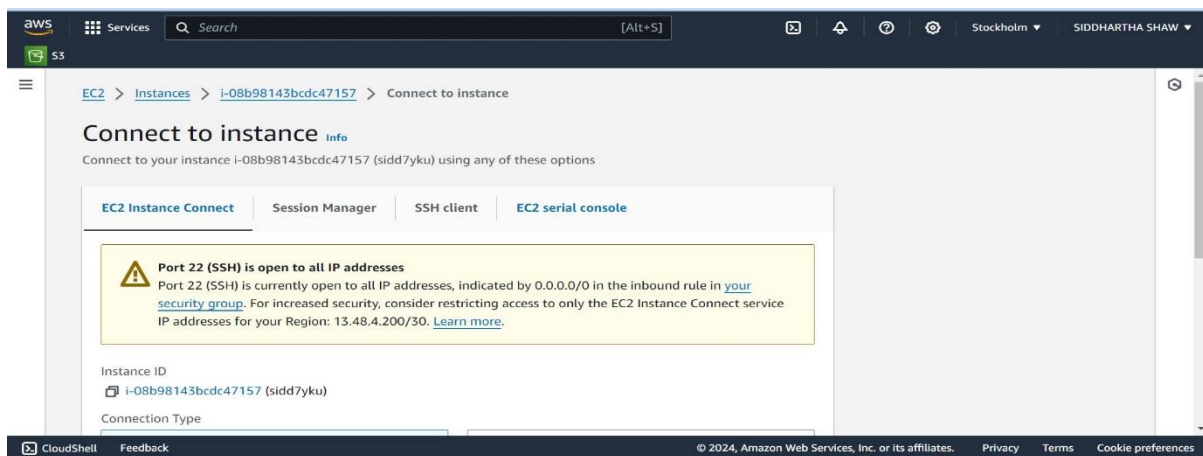
## Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*

**Step 13:** if it is showing not running then we use 2<sup>nd</sup> method whether we go to the “connect to instance”..and then type such `impo**` commands that are given below.



```
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

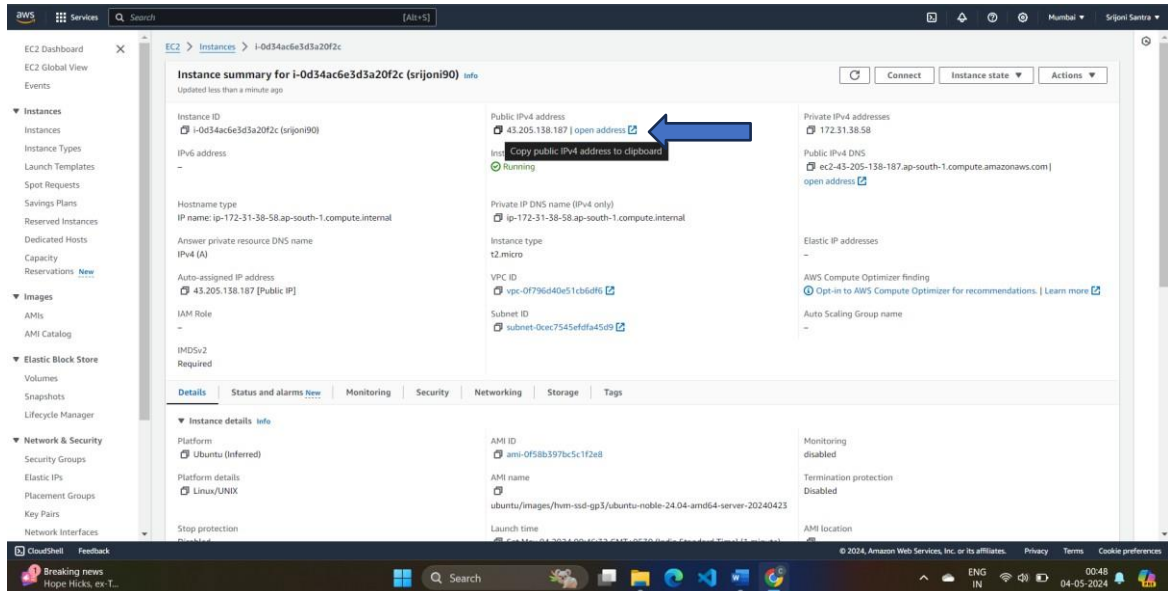
ubuntu@ip-172-31-24-149:~$ nginx -v
nginx version: nginx/1.24.0 (Ubuntu)
ubuntu@ip-172-31-24-149:~$ nodejs -v
v16.20.2
ubuntu@ip-172-31-24-149:~$ cd /
ubuntu@ip-172-31-24-149:/$ pwd
/
ubuntu@ip-172-31-24-149:/$ ls
bin          boot  etc     lib          lib64        media  newrepo3  proc  run  sbin  usr-is-merged  srv  tmp  var
bin.usr-is-merged  dev  home  lib.usr-is-merged  lost+found  mnt    opt      root  sbin  snap          sys  usr
ubuntu@ip-172-31-24-149:/$ cd newrepo3
ubuntu@ip-172-31-24-149:/newrepo3$ cd newrepo3/
```

```
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-24-149:~$ nginx -v
nginx version: nginx/1.24.0 (Ubuntu)
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/
ubuntu@ip-172-31-24-149:/$ ls
bin          boot  etc     lib          lib64        media  newrepo3  proc  run  sbin  usr-is-merged  srv  tmp  var
bin.usr-is-merged  dev  home  lib.usr-is-merged  lost+found  mnt    opt      root  sbin  snap          sys  usr
ubuntu@ip-172-31-24-149:/$ cd newrepo3
ubuntu@ip-172-31-24-149:/newrepo3$ cd newrepo3/
```

**Step 14:** After creating the instances copy public IPV4 address and paste in the new tab with the 4000 port no.



**Step 15:** A new window will open with the webpage.

