# ASSIGNMENT

- Create three VPCS and connect the three VPC’S using transit gateway.

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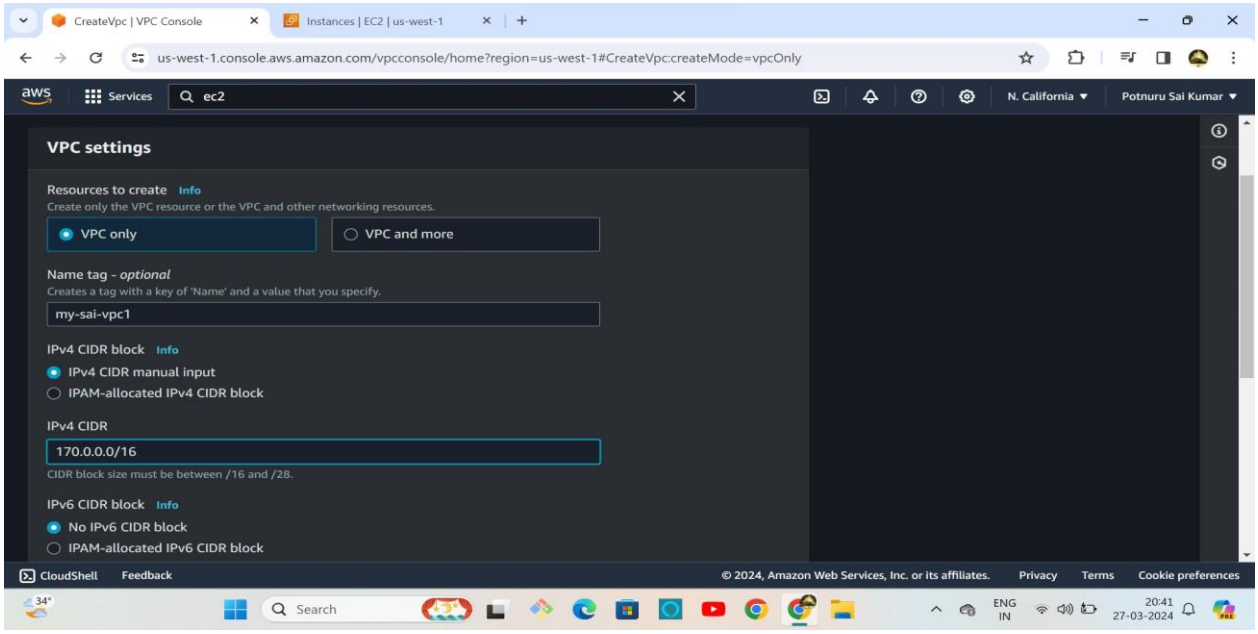
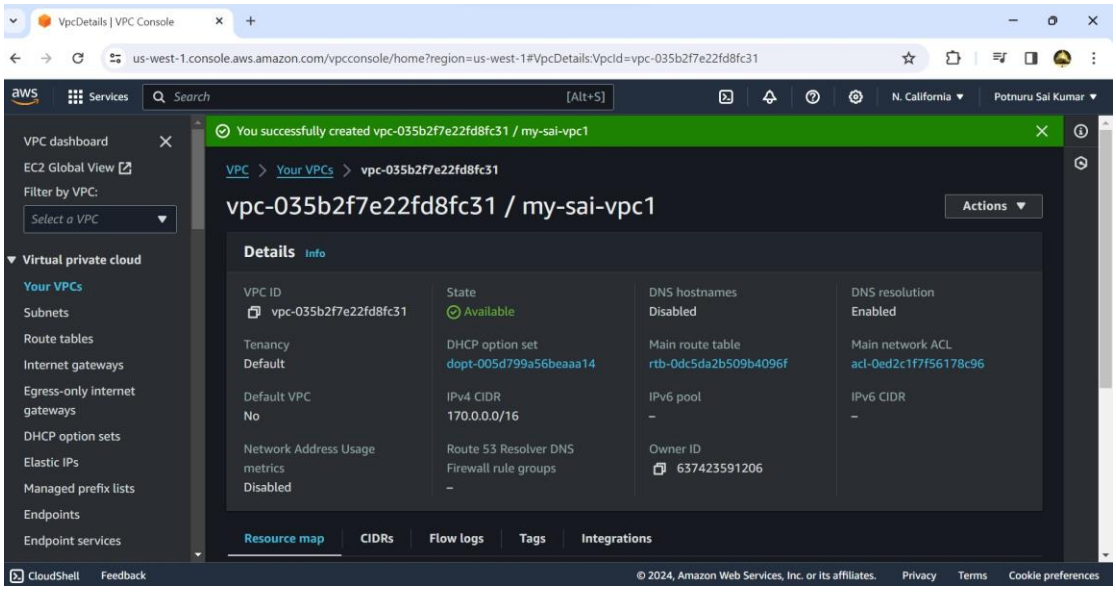
- Create a virtual private cloud (VPC1)

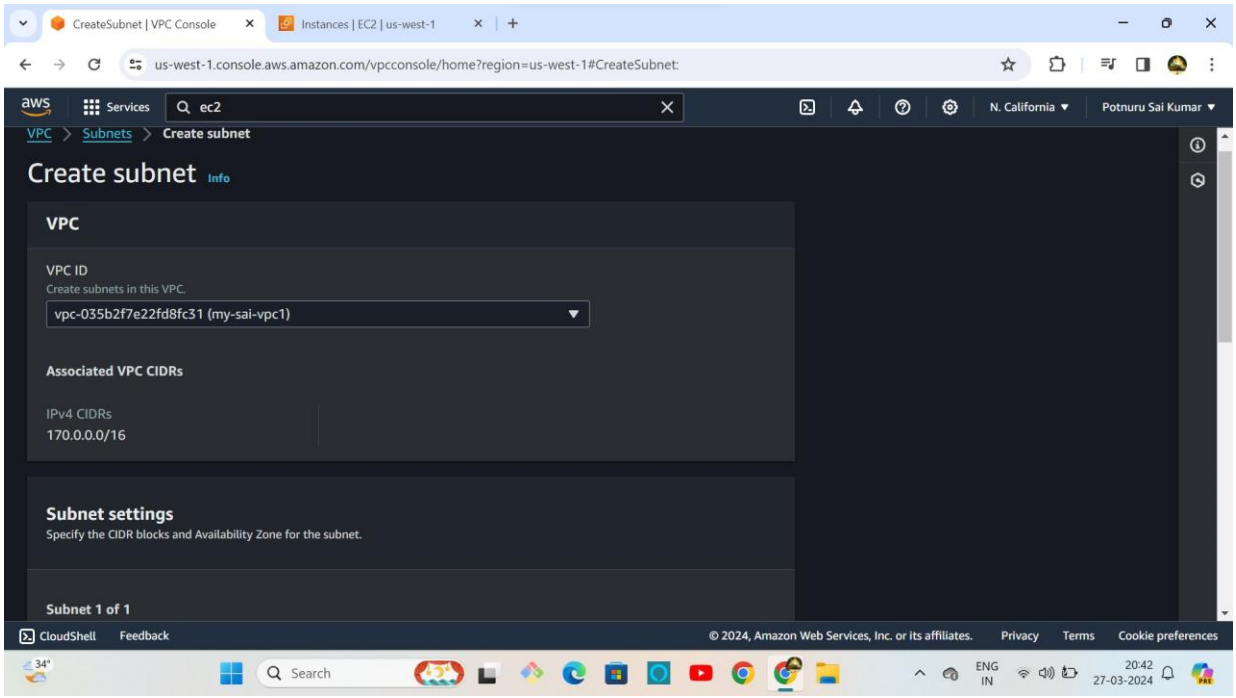
- STEP-1: Search for VPC in search space of AWS home page and click onVPC and Now click on create VPC to create our custom VPC1 and give the  details and finally click on Create VPC.



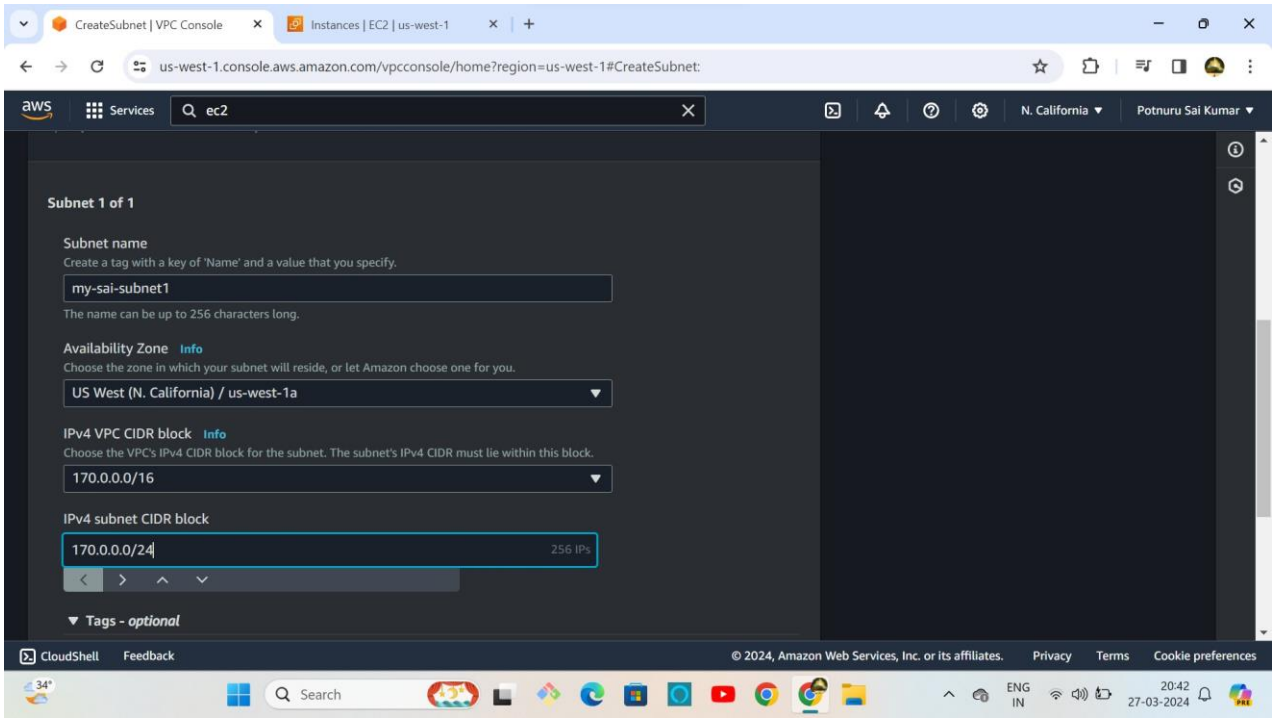
- Now we have created our custom VPC1 successfully




- Now click on subnets to create Subnet to our custom VPC1.

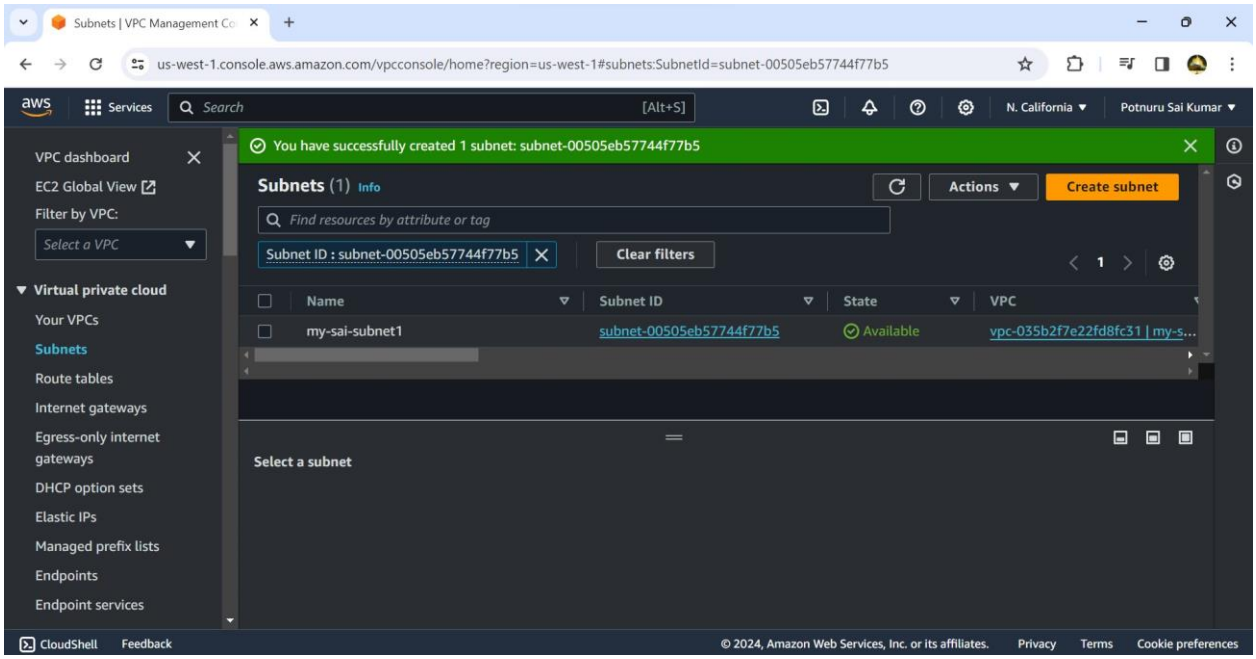


- Then create subnets we have given our custom VPC-ID, Subnet name, choose availability Zone, IPv4 subnet CIDR block, then finally create

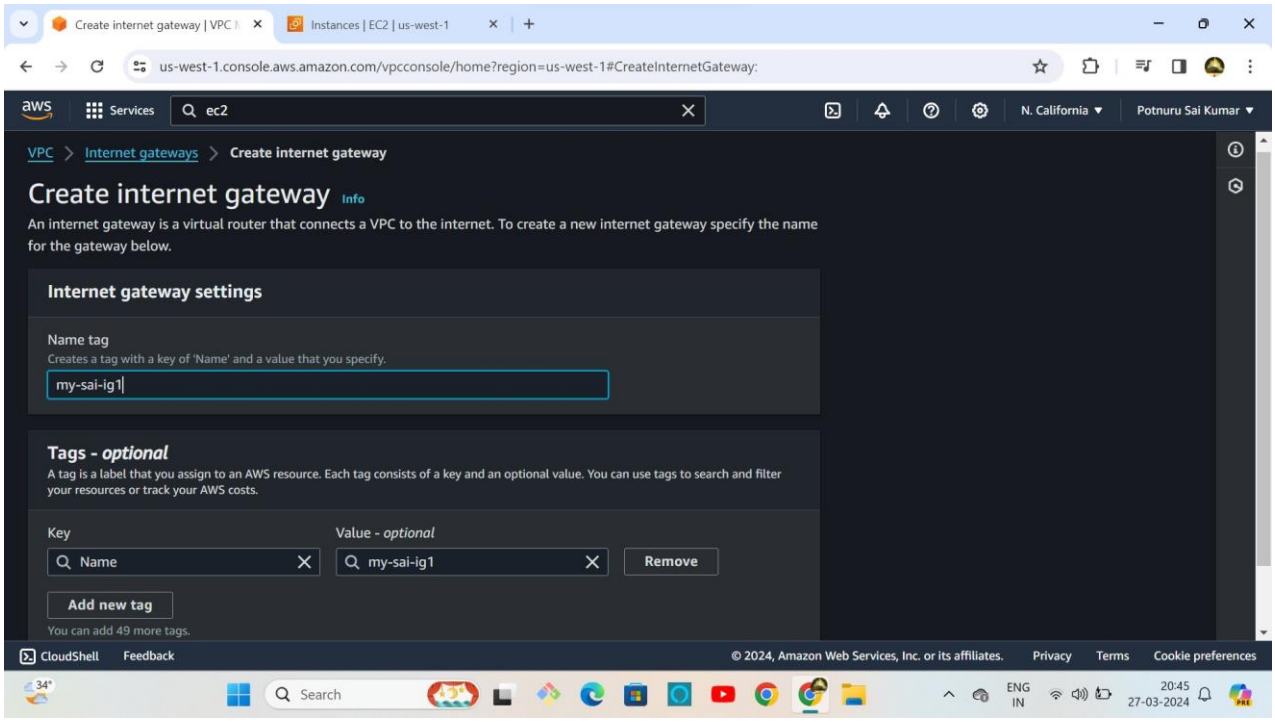



subnet.

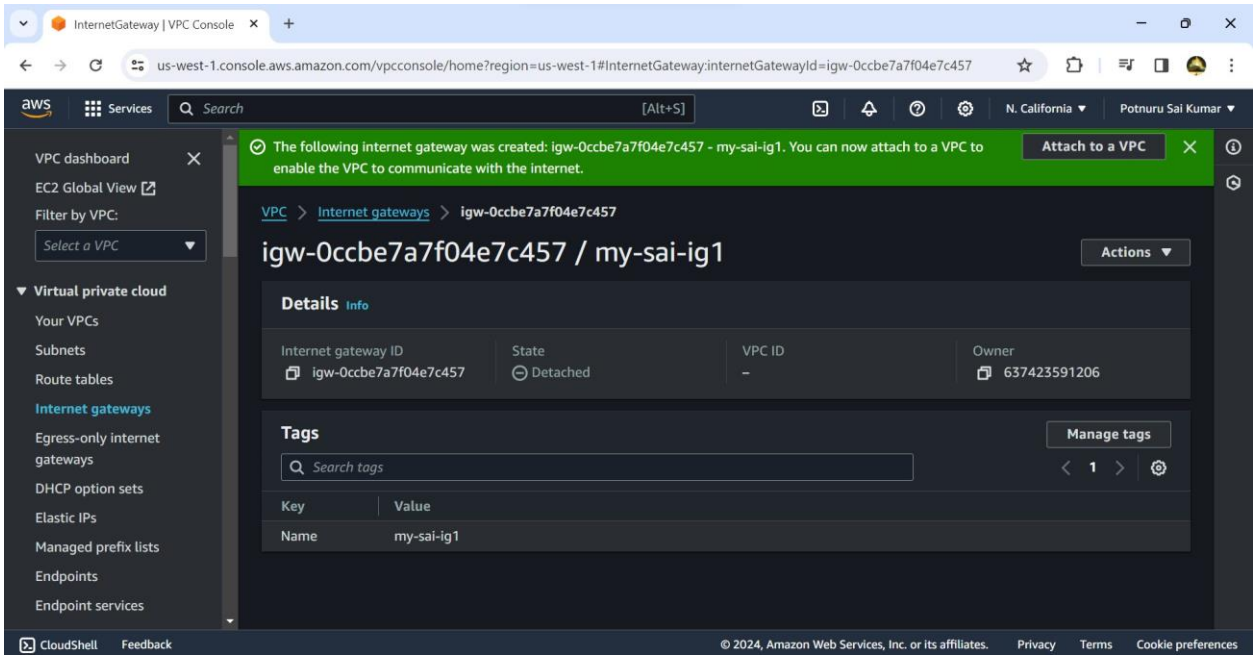
- That we successfully created a subnet 1.



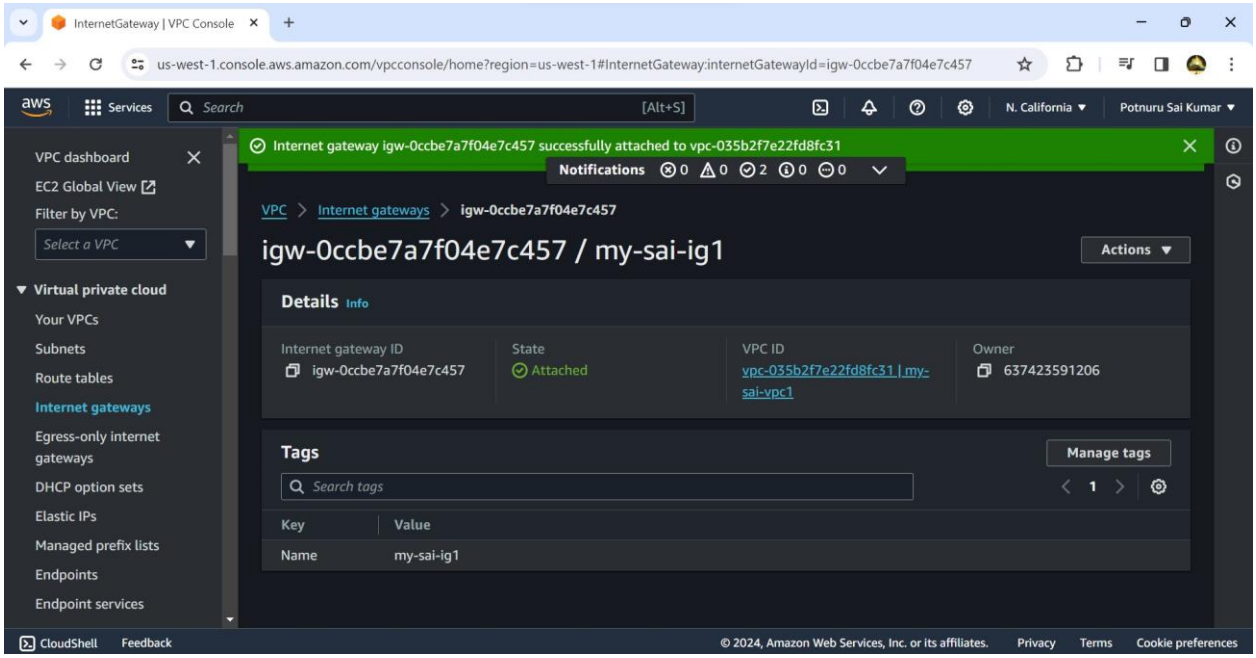
- Now click on Internet gateways from the menu bar and click on create internet gateway.



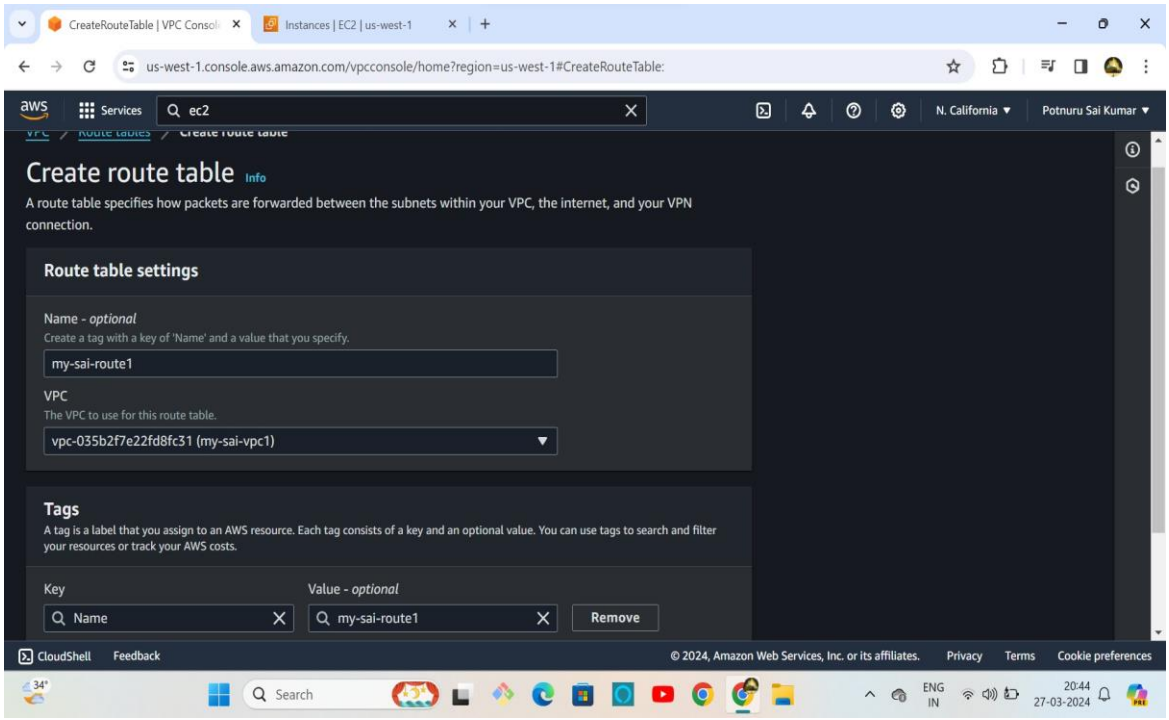

- Click on Create internet gateway.
- We successfully created an internet gateway.



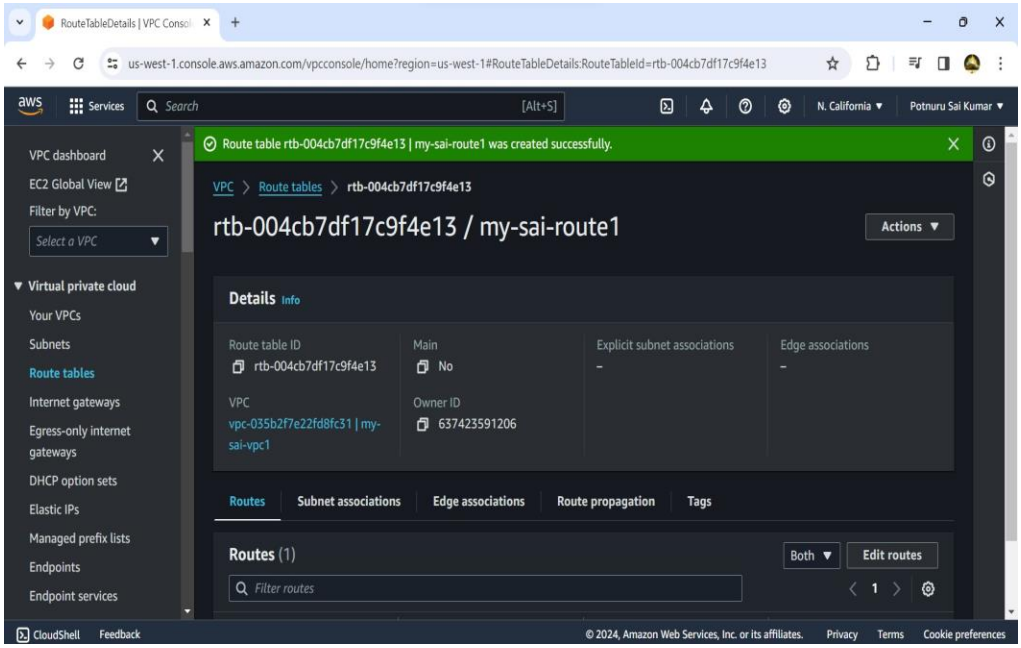
- Then click on actions and attach the internet gateway with VPC1.And now we selected our custom VPC in that available VPCs and finally click on attach internet gateway. We successfully attach internet gateway 1 to VPC1



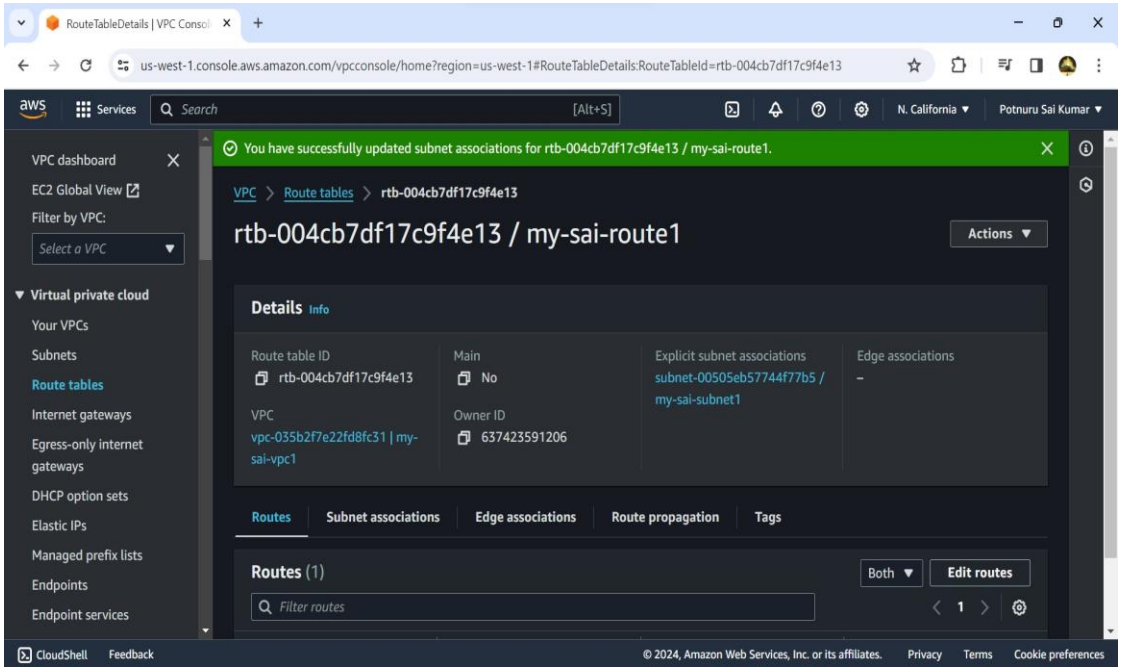

- After that we created an internet gateway. Click on Route tables fromthe menu bar and click on create route tables.



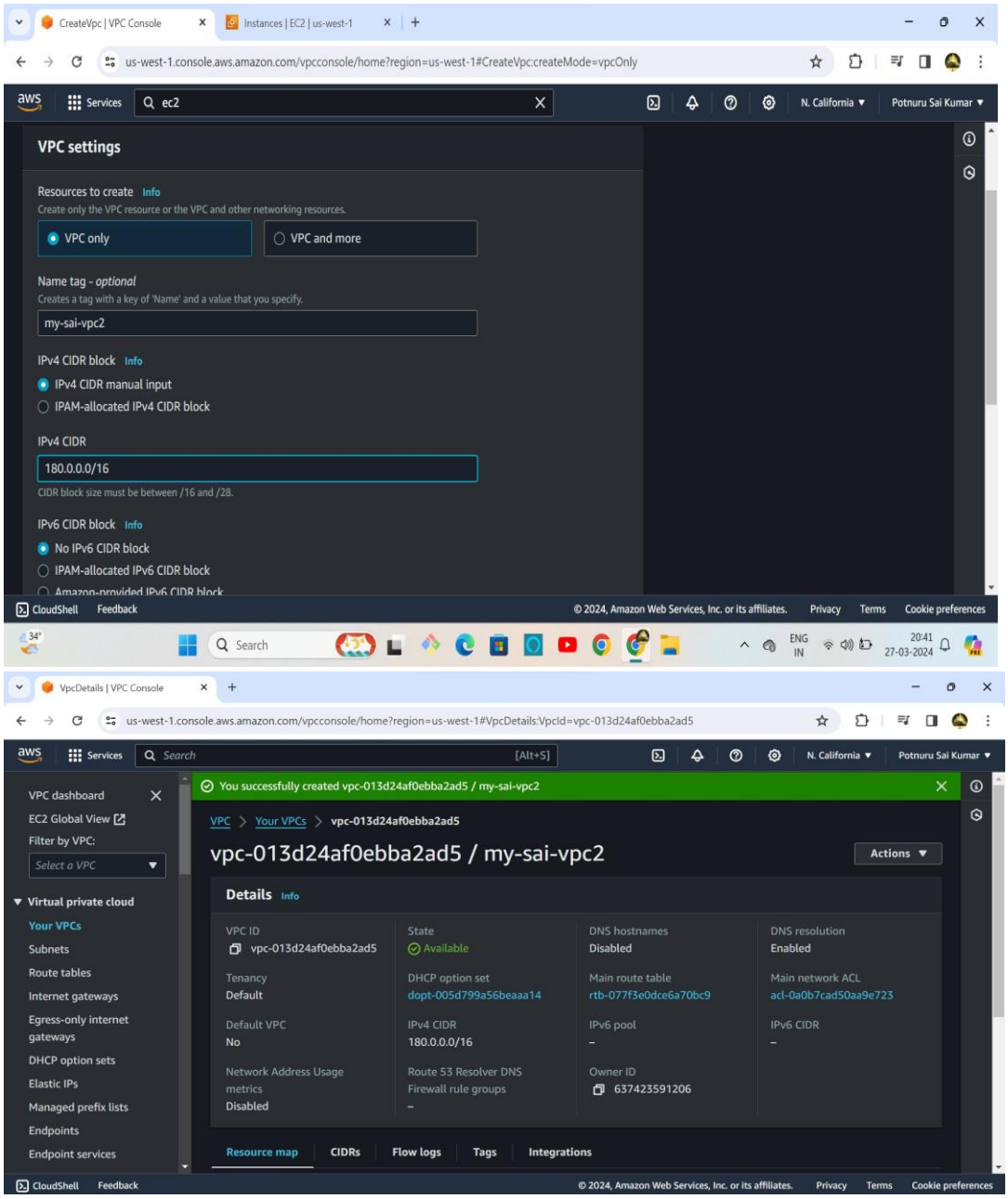

- Then give the name to the route table and select our custom VPC and finally click on create route table. We have successfully createdroute table1.



- Now we can edit the subnet associations.




- After that we can create VPC2, Search for VPC in the search space of AWS home page and click on VPC and Now click on create VPC to create our custom VPC2 and give the details and finally click on Create VPC.

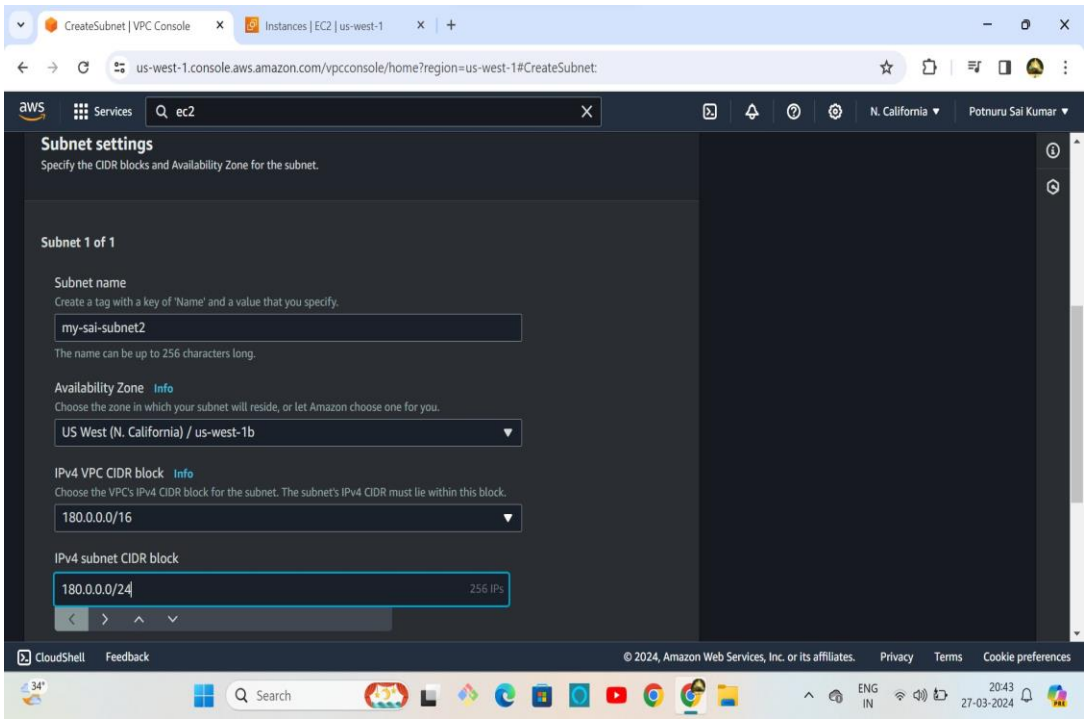






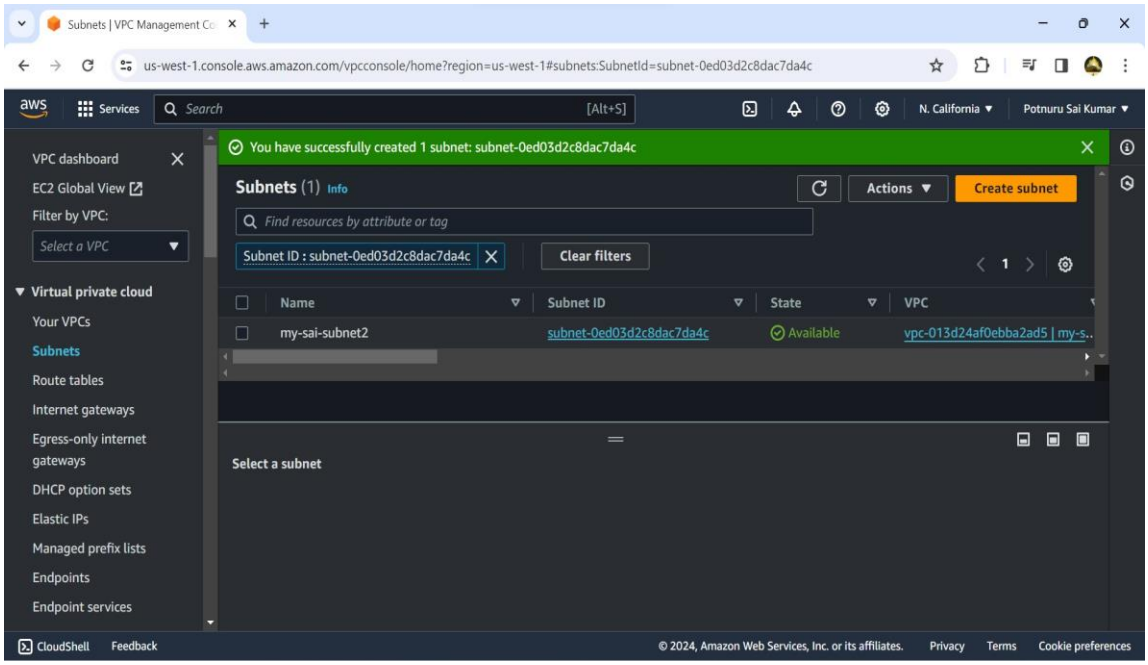
- Now we have created our custom VPC 2 successfully.

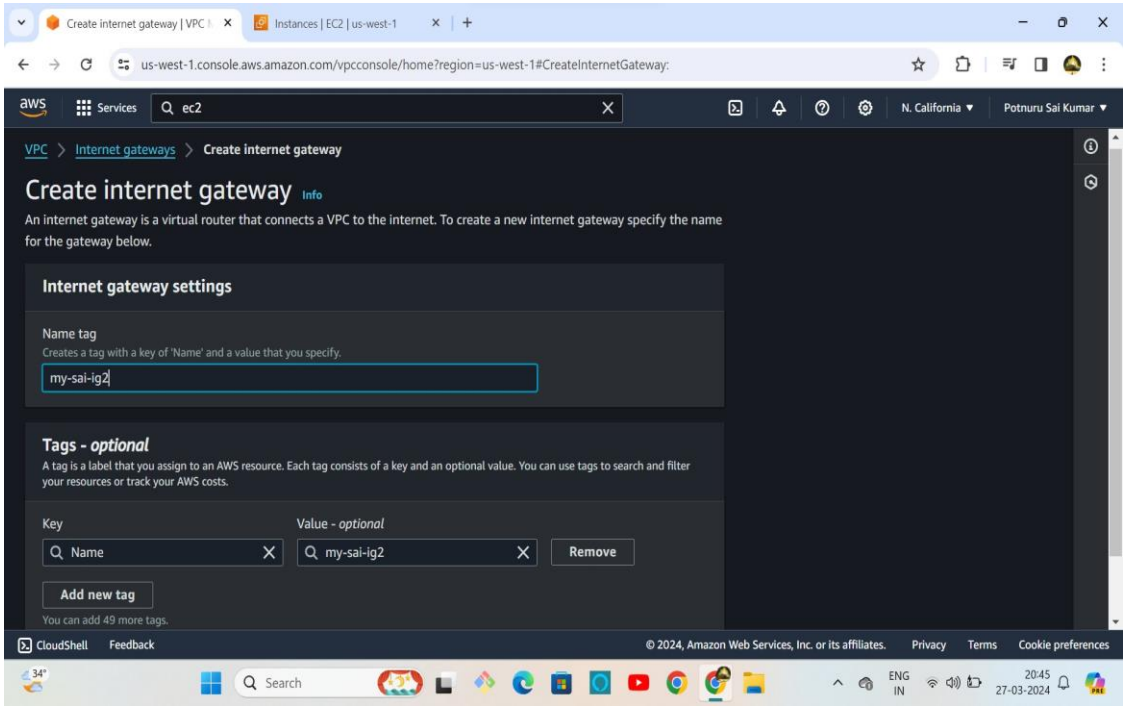
- Now click on subnets to create Subnet to our custom VPC2.
- Then create subnets we have given our custom VPC-ID, Subnet name, choose availability Zone, IPv4 subnet CIDR block, then finally create



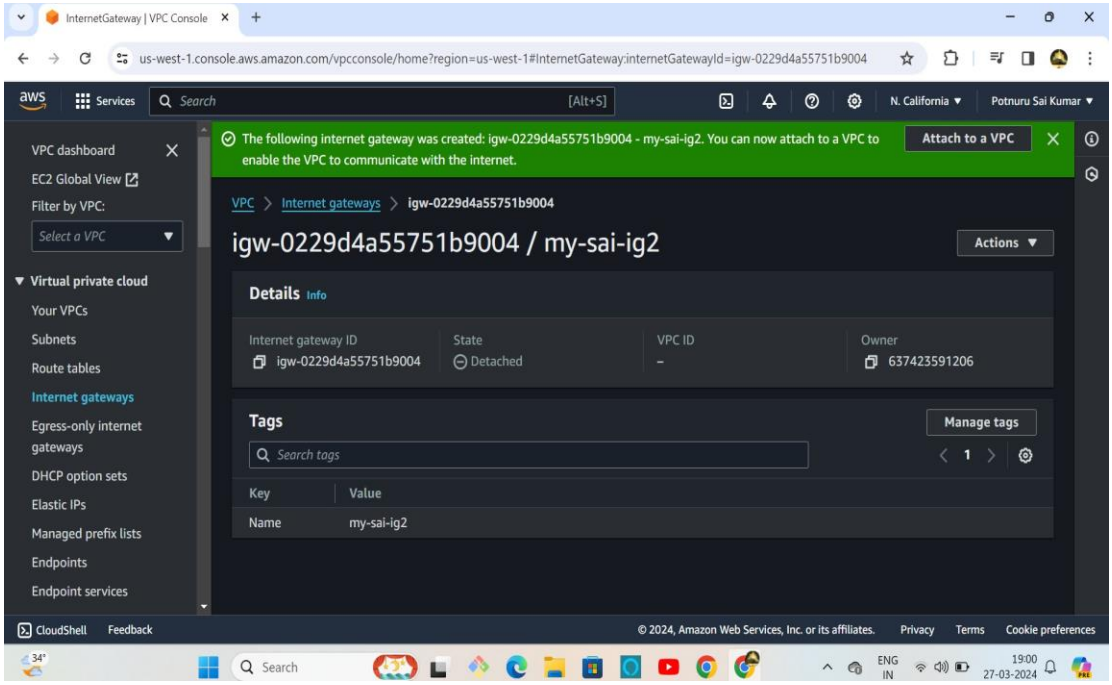

subnet.

- That we successfully created a subnet 2.

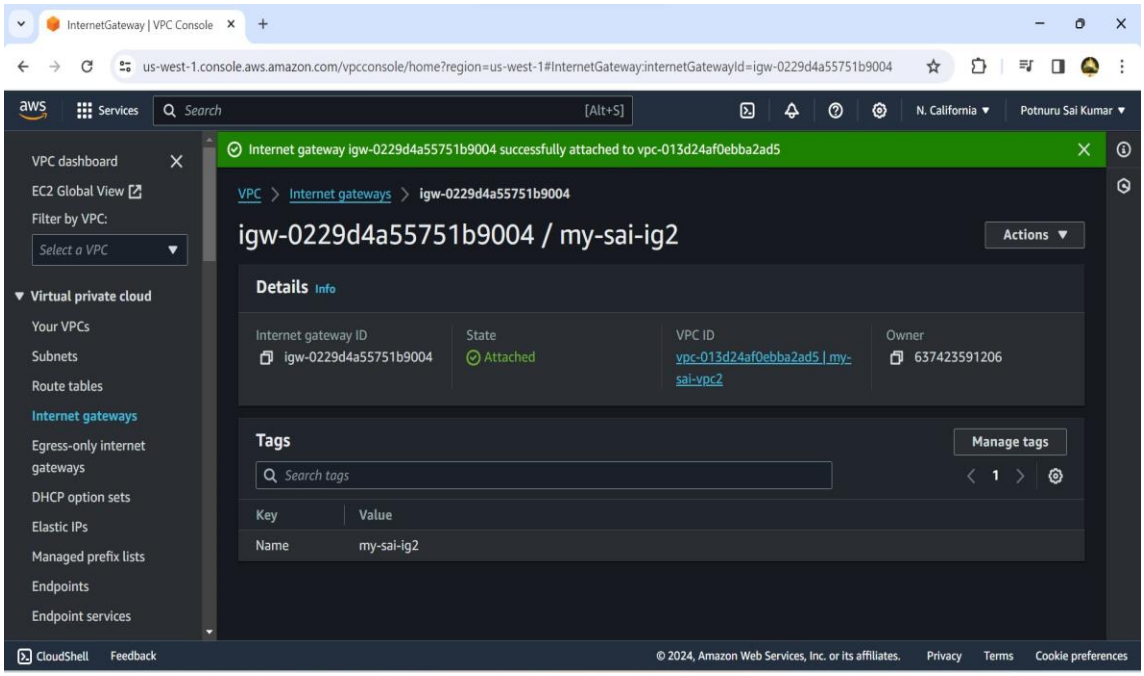


- Now click on Internet gateways from the menu bar and click on create internet gateway.
- 

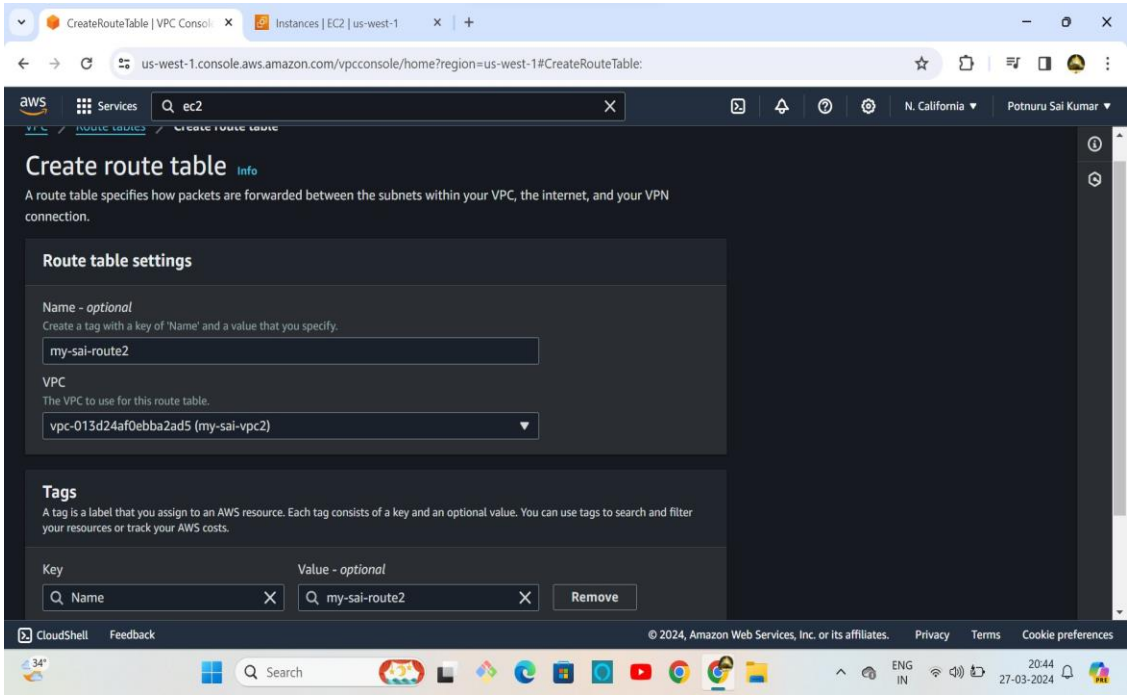

- Click on Create internet gateway.



- Then click on actions and attach the internet gateway with VPC2.And now we selected our custom VPC2 in that available VPCs and finally click on attach internet gateway.

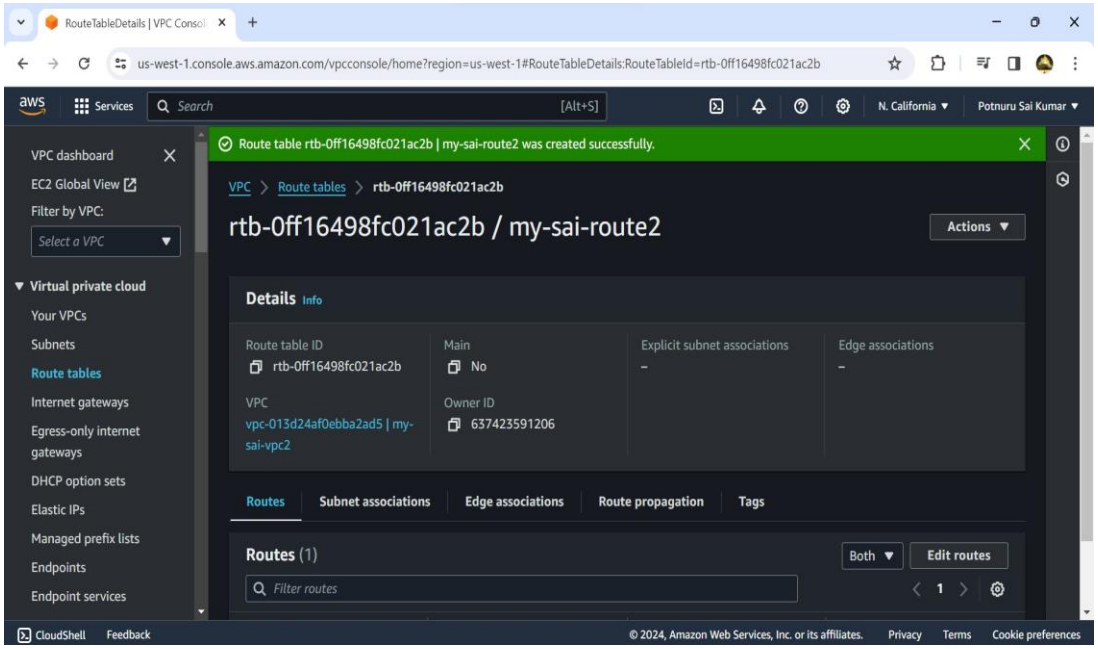



- After that we created an internet gateway. Click on Route tables fromthe menu bar and click on create route tables.

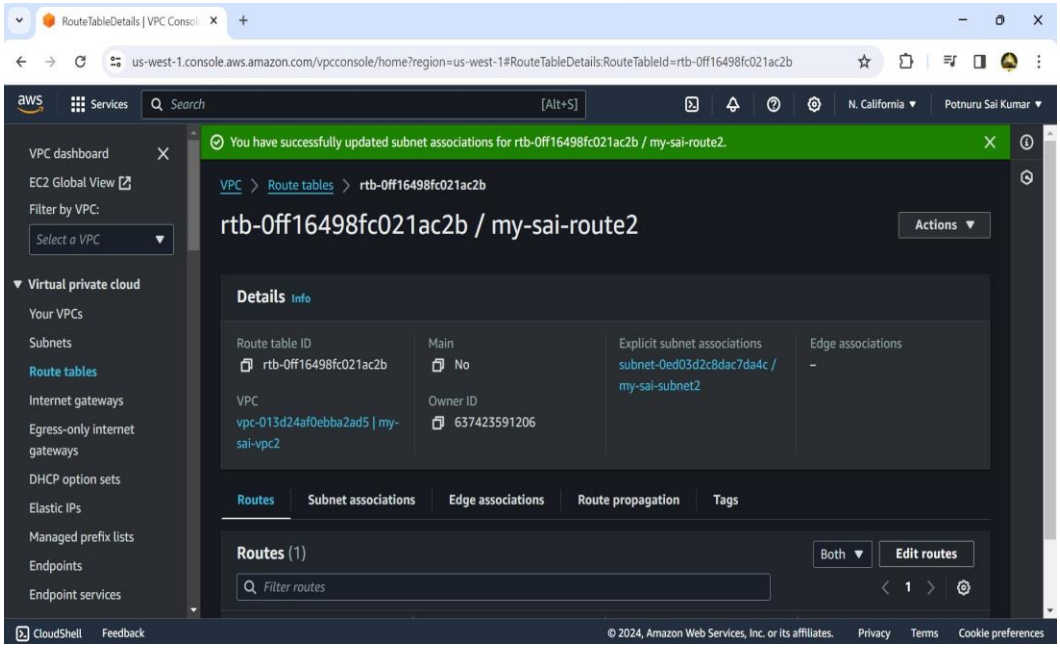



- Then give the name to the route table and select our custom VPC and finally click on create route table. We have successfully created route

table2.

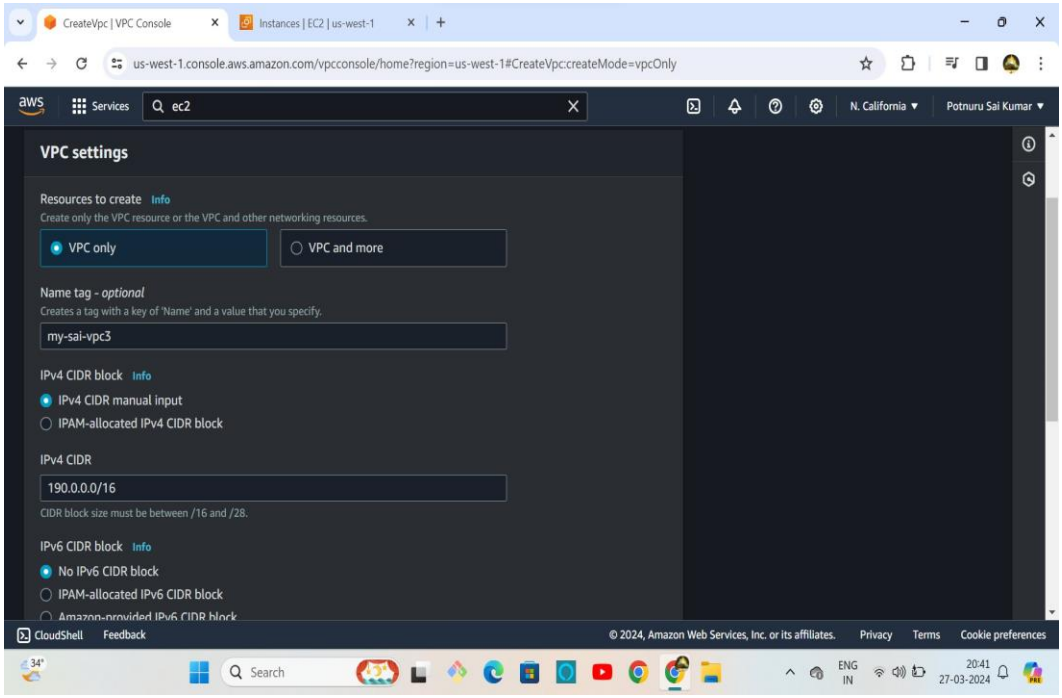



- Now we can edit the subnet associations

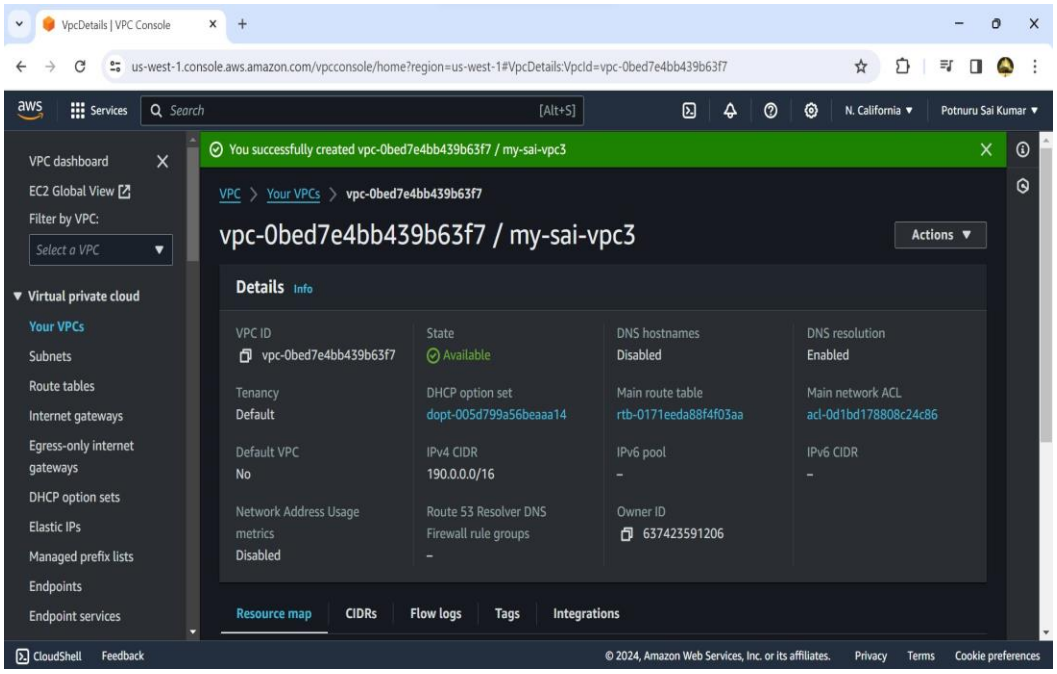



- After that we can create VPC3, Search for VPC in the search space of AWS home page and click on VPC and Now click on create VPC to create

our custom VPC3 and give the  details and finally click on Create VPC.

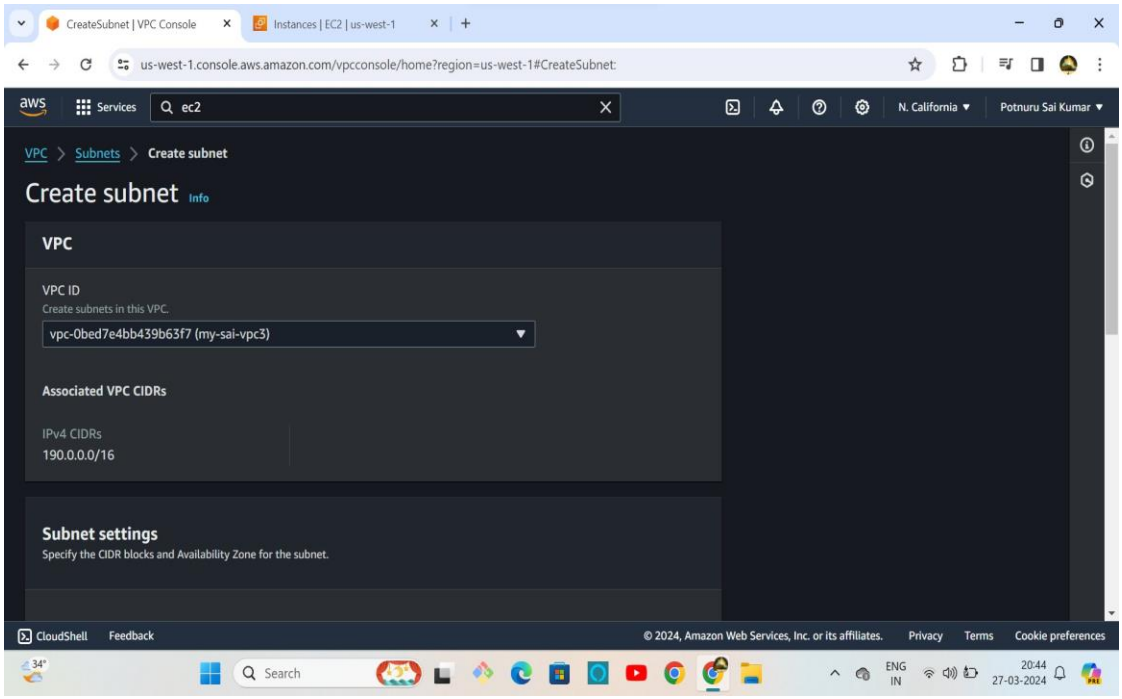



- Now we have created our custom VPC 3 successfully.

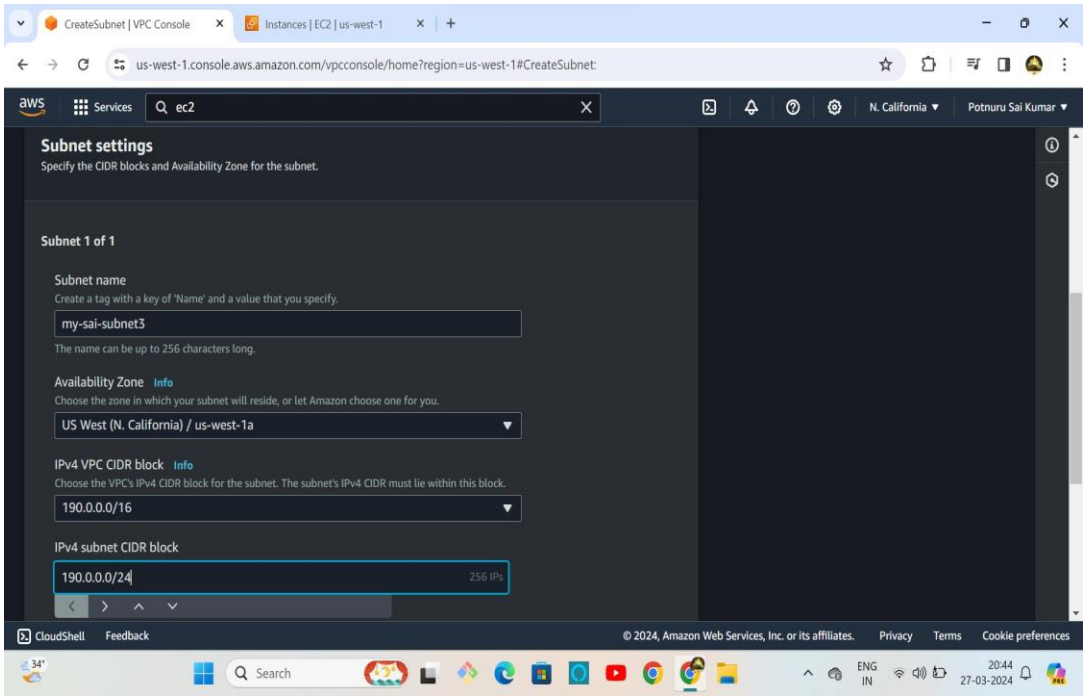



- Now click on subnets to create Subnet to our custom VPC 3.

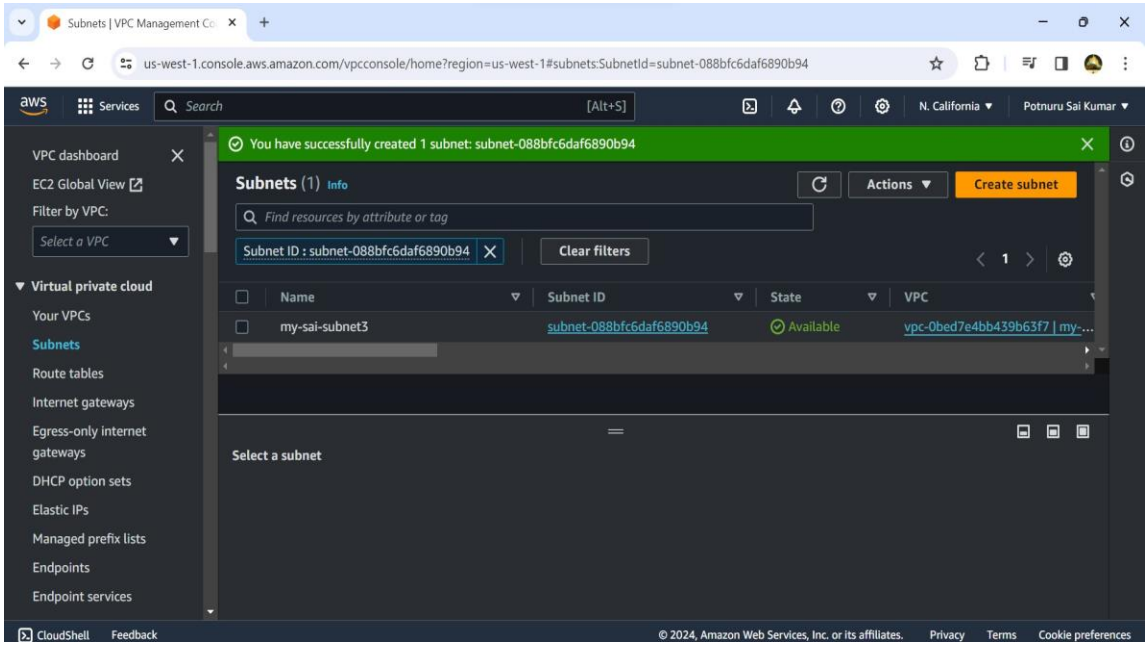
- Then create subnets we have given our custom VPC-ID, Subnet name, choose availability Zone, IPv4 subnet CIDR block, then finally create subnet.



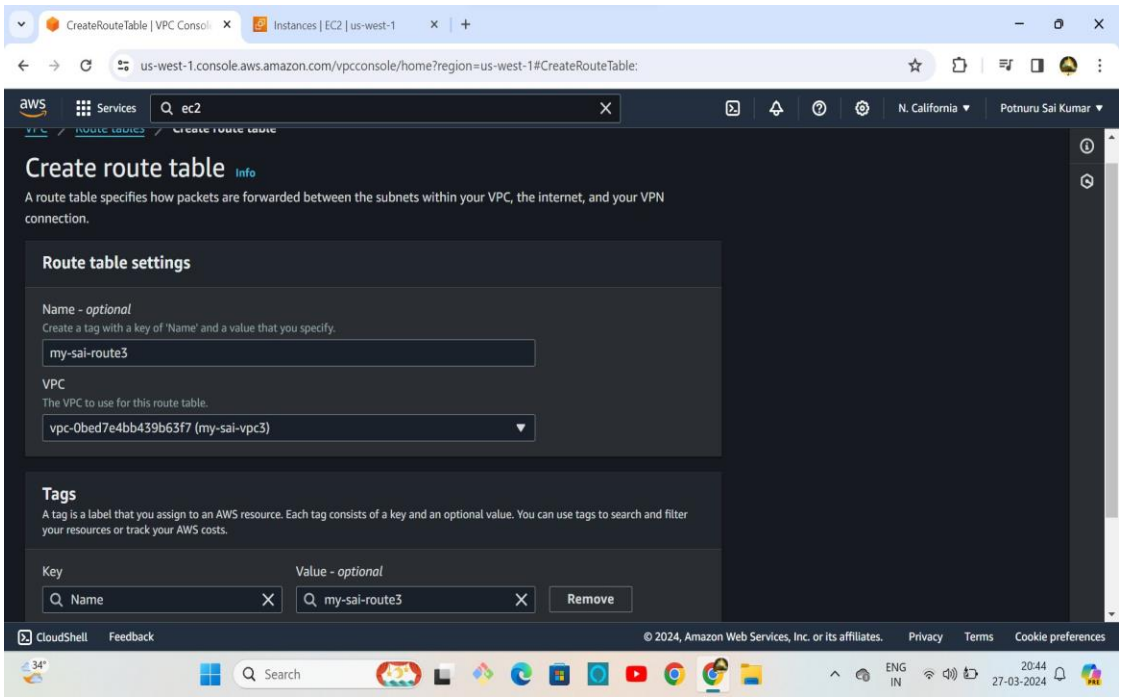

- Then create subnets we have given our custom VPC-ID, Subnet name, choose availability Zone, IPv4 subnet CIDR block, then finally create subnet.



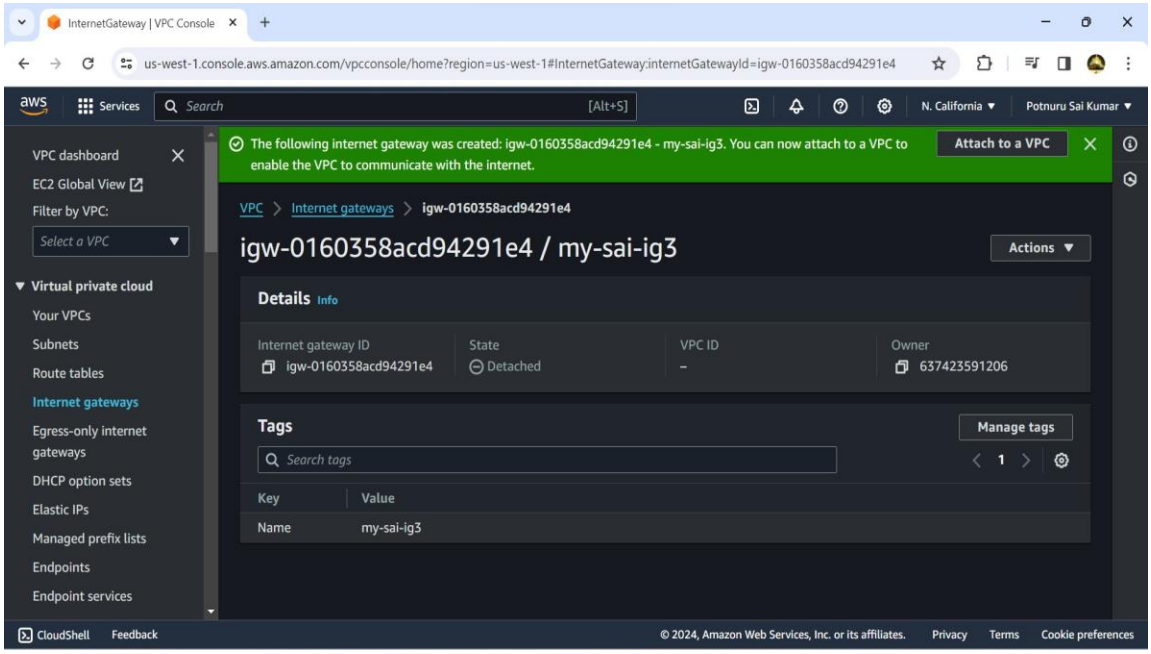
- That we successfully created a subnet 3.



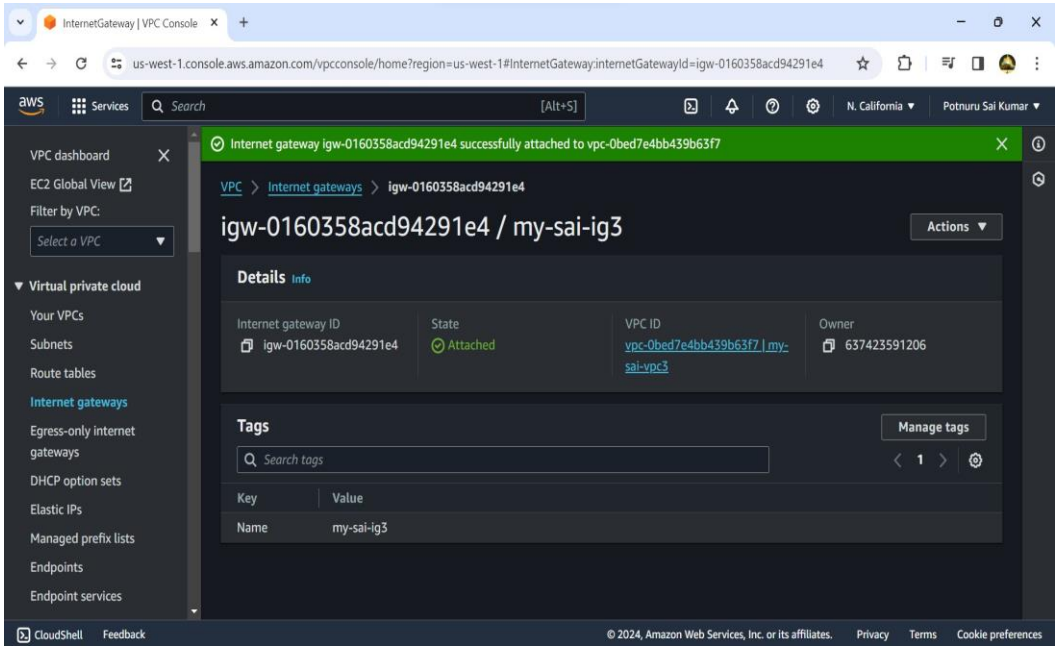

- Now click on Internet gateways from the menu bar and click on create internet gateway.



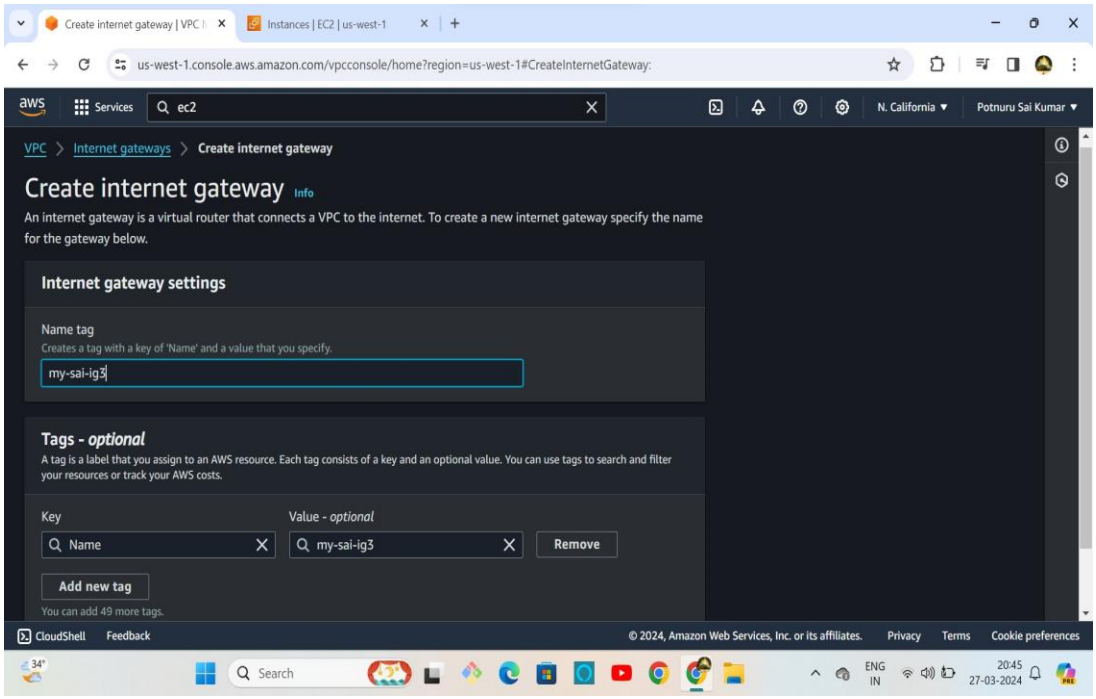
- Click on Create internet gateway.



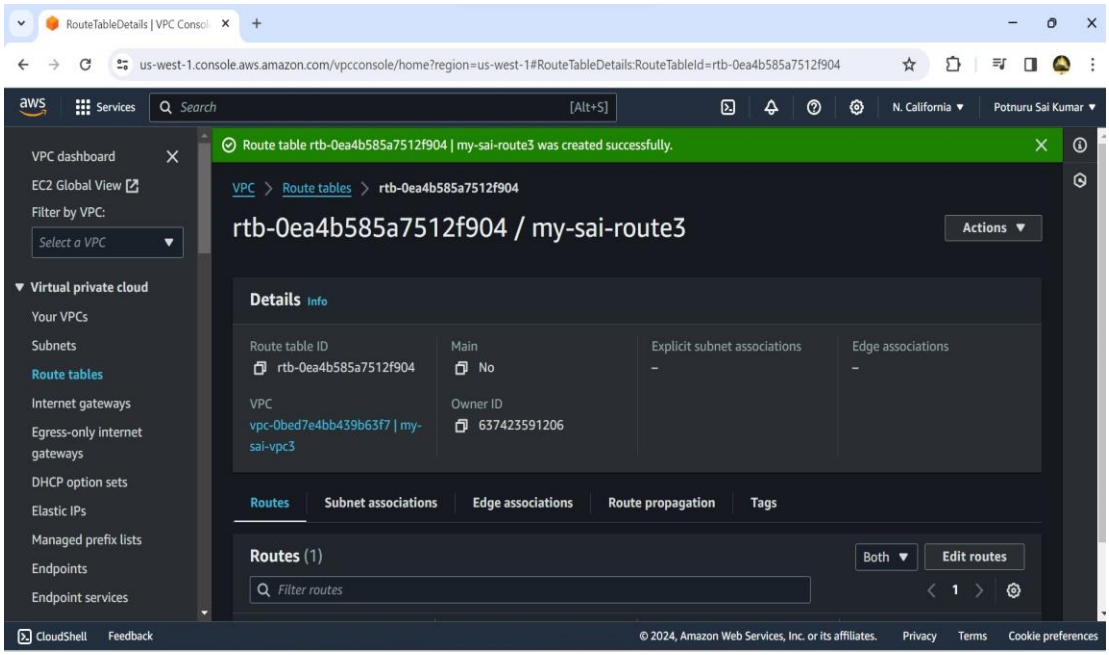

- Then click on actions and attach the internet gateway with VPC 3. And now we selected our custom VPC 3 in that available VPCs and finally click on attach internet gateway.



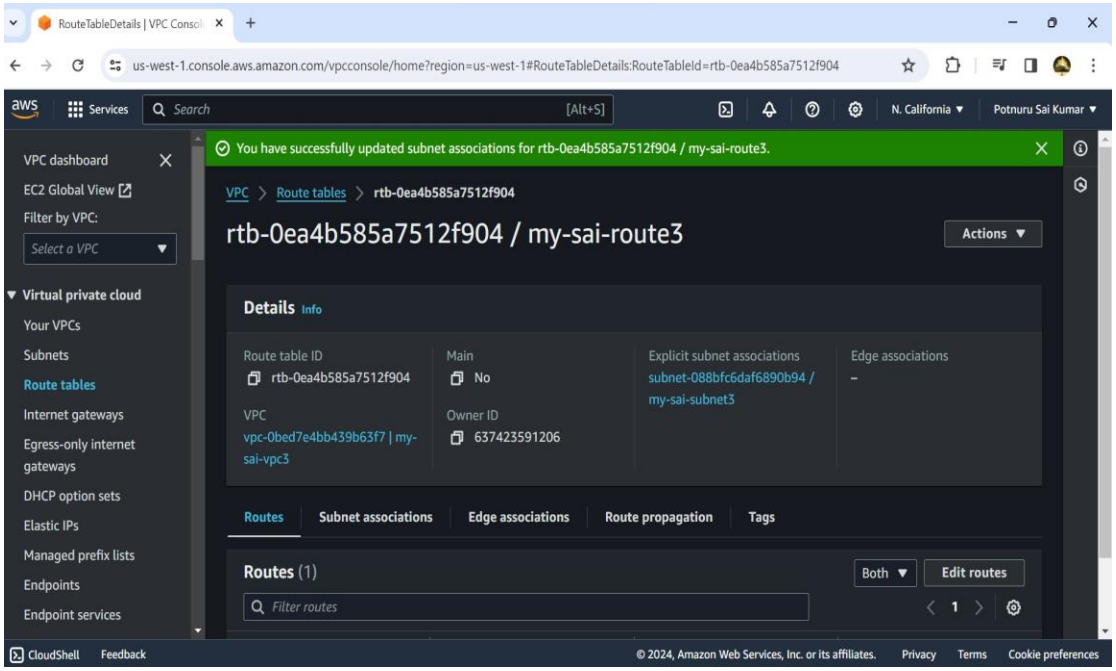
- After that we created an internet gateway. Click on Route tables fromthe menu bar and click on create route tables.



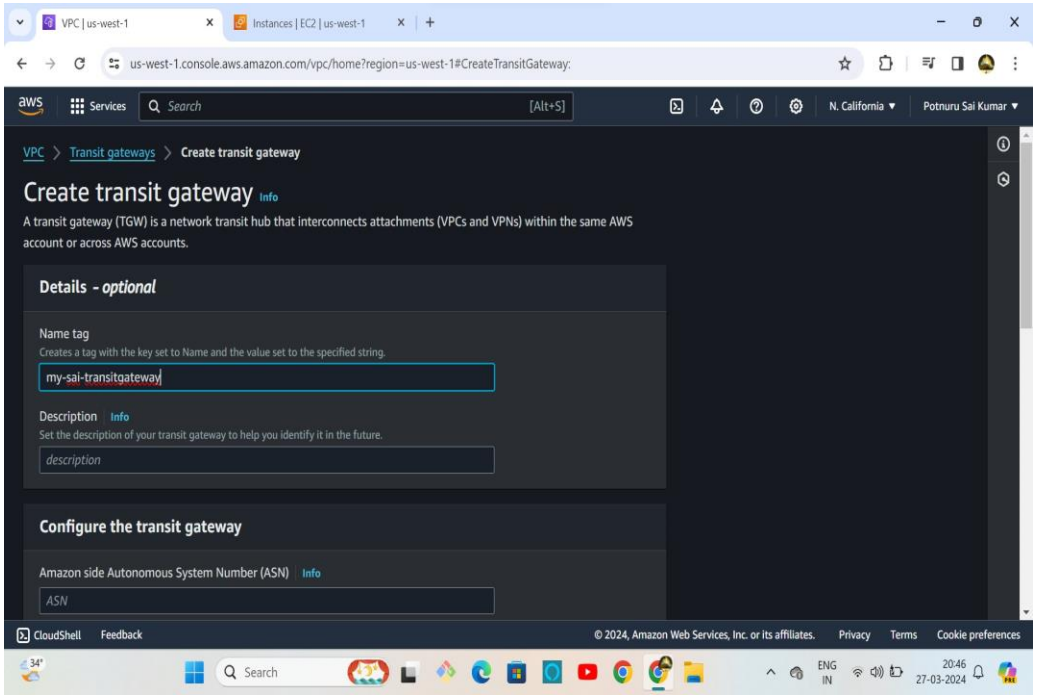

- Then give the name to the route table and select our custom VPC and finally click on create route table. We have successfully created route table3.



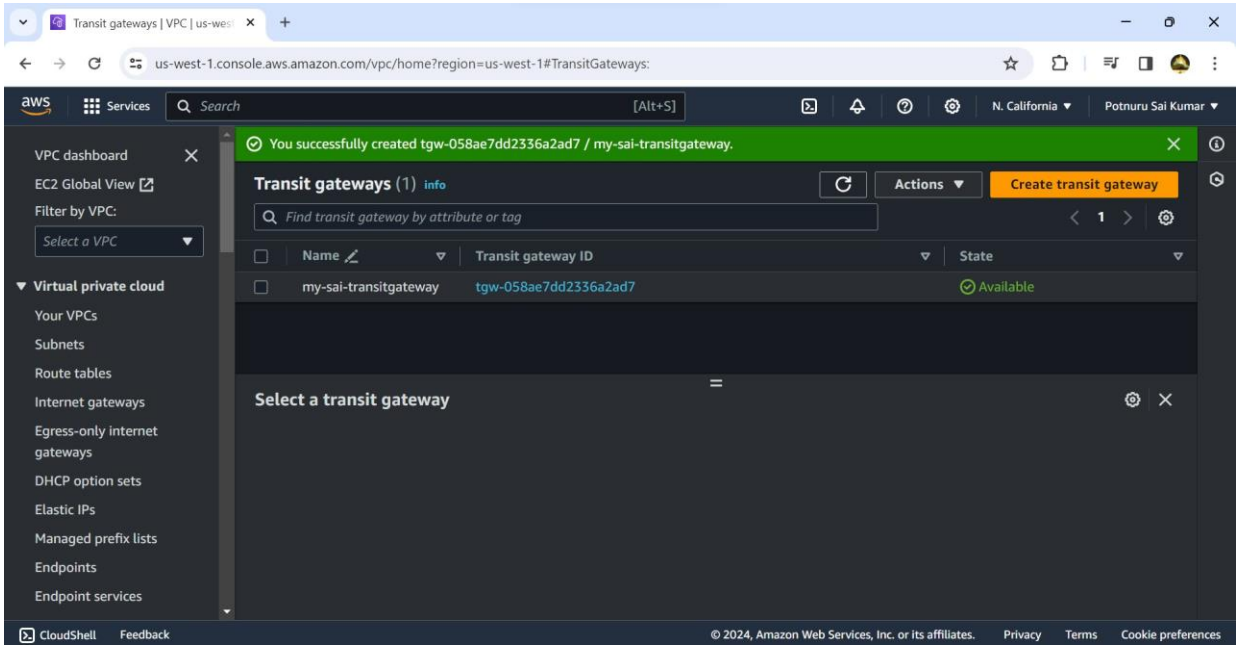
- Now we can edit the subnet associations.



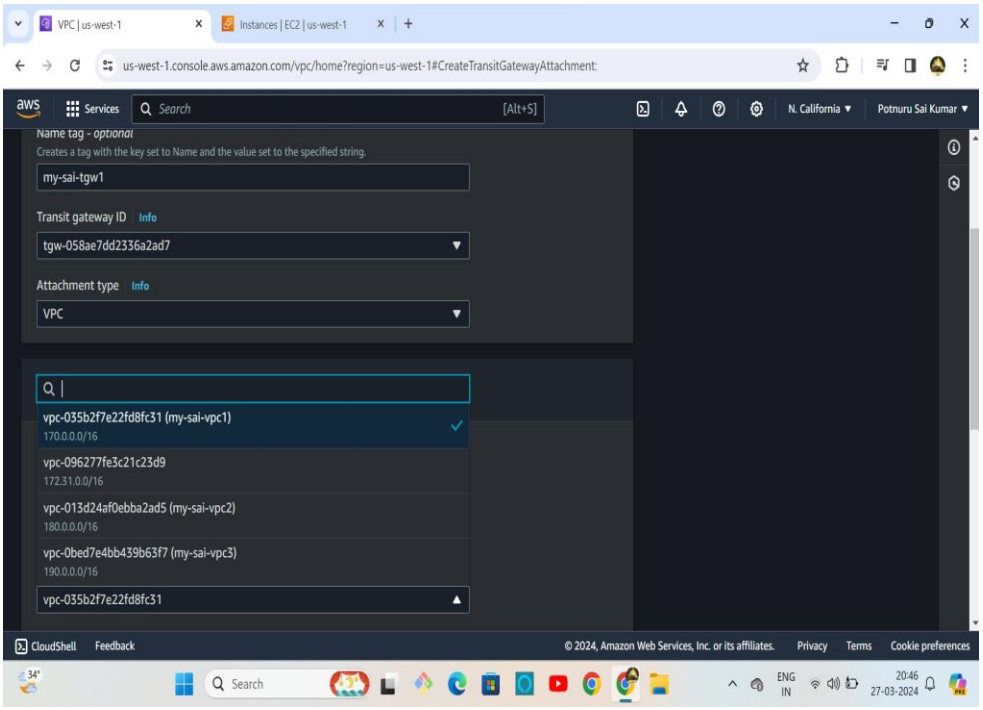

- TRANSIT GATEWAY
- We can create a transit gateway.
- Create transit gateway details.



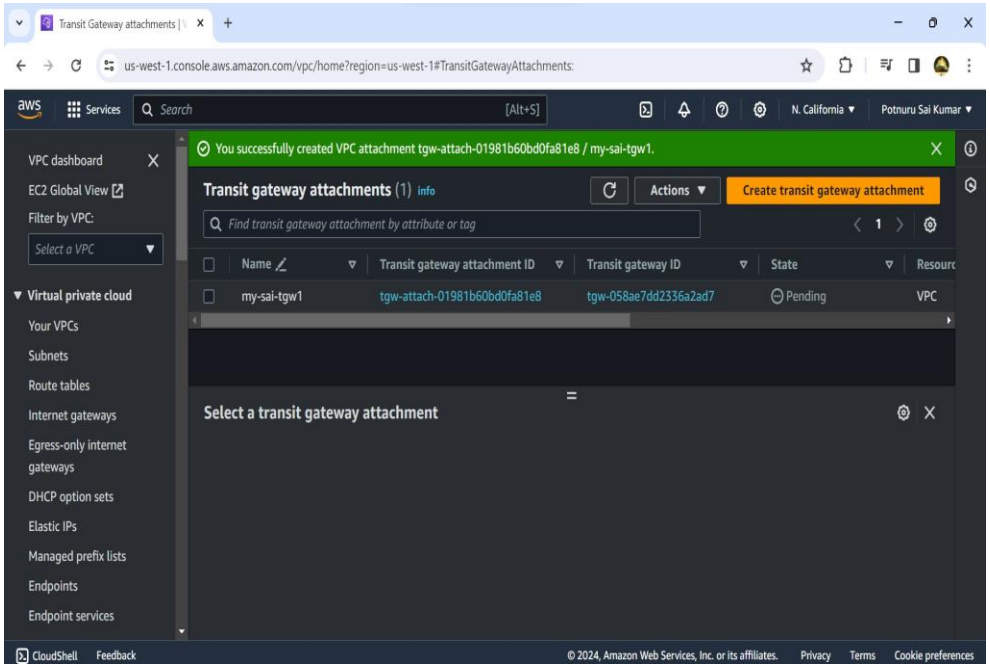
- We successfully created the transit gateway.



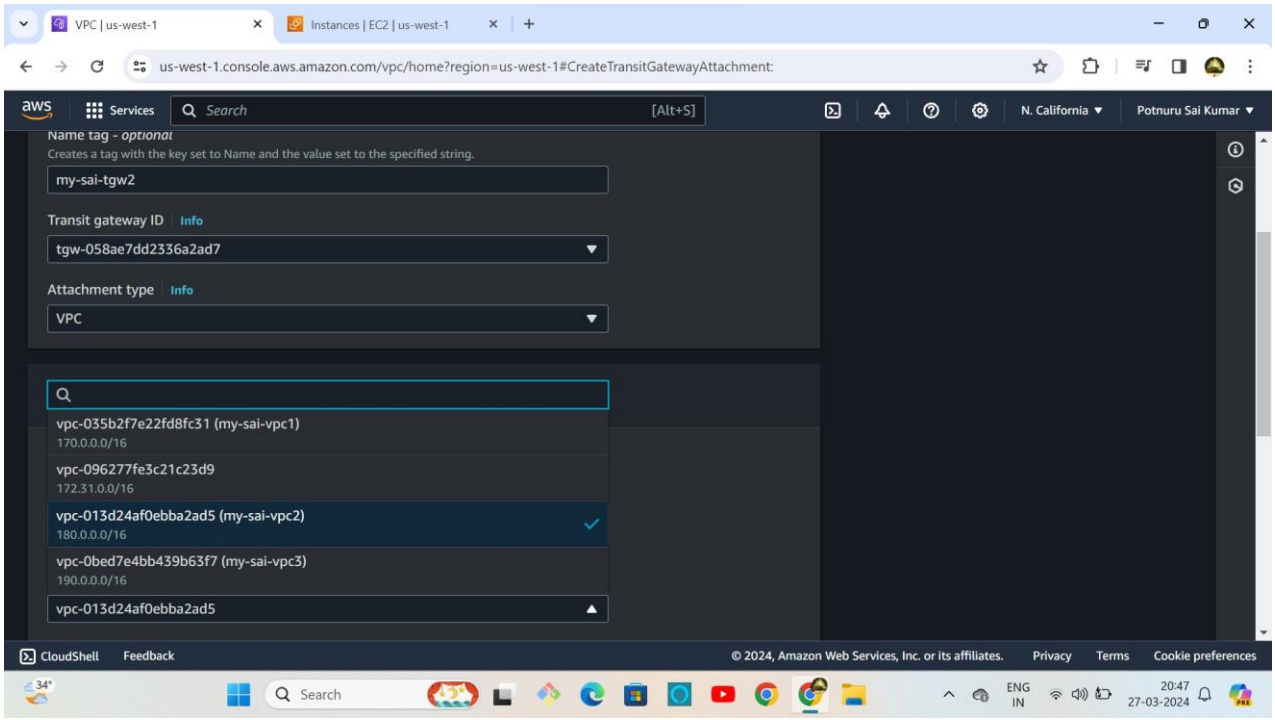

- Now we can create three transit gateway attachments, to attach the EC2 instances.
- First, we create a first transit gateway. And create a transit gateway attach name, connect with transit gateway and attach with VPC 1 to transit gateway attachment 1.



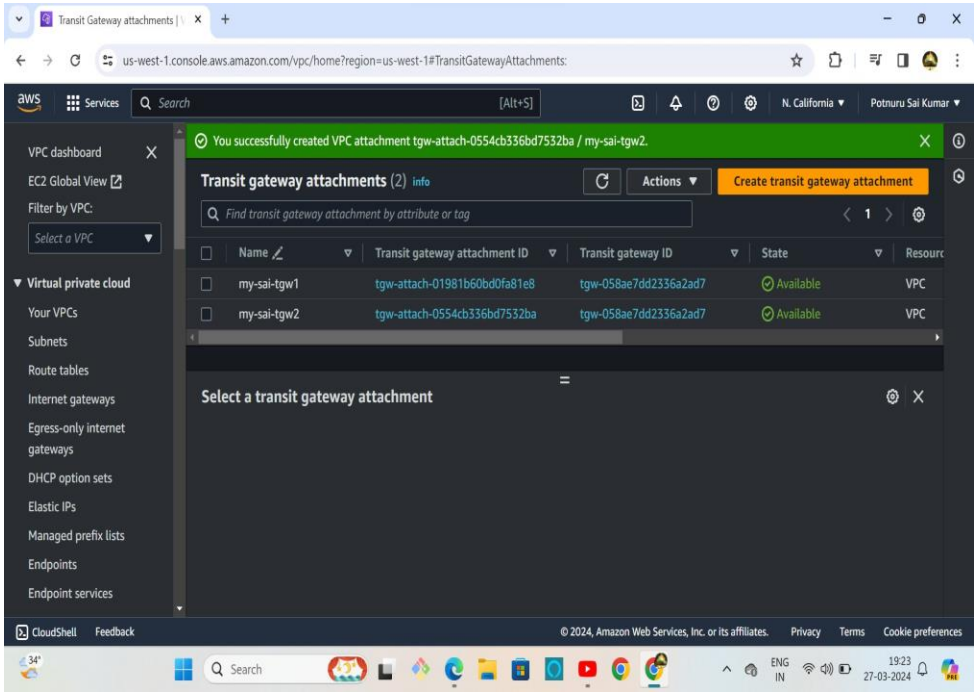

- Click on the create attachment that we successfully created the transit gateway attachment 1.



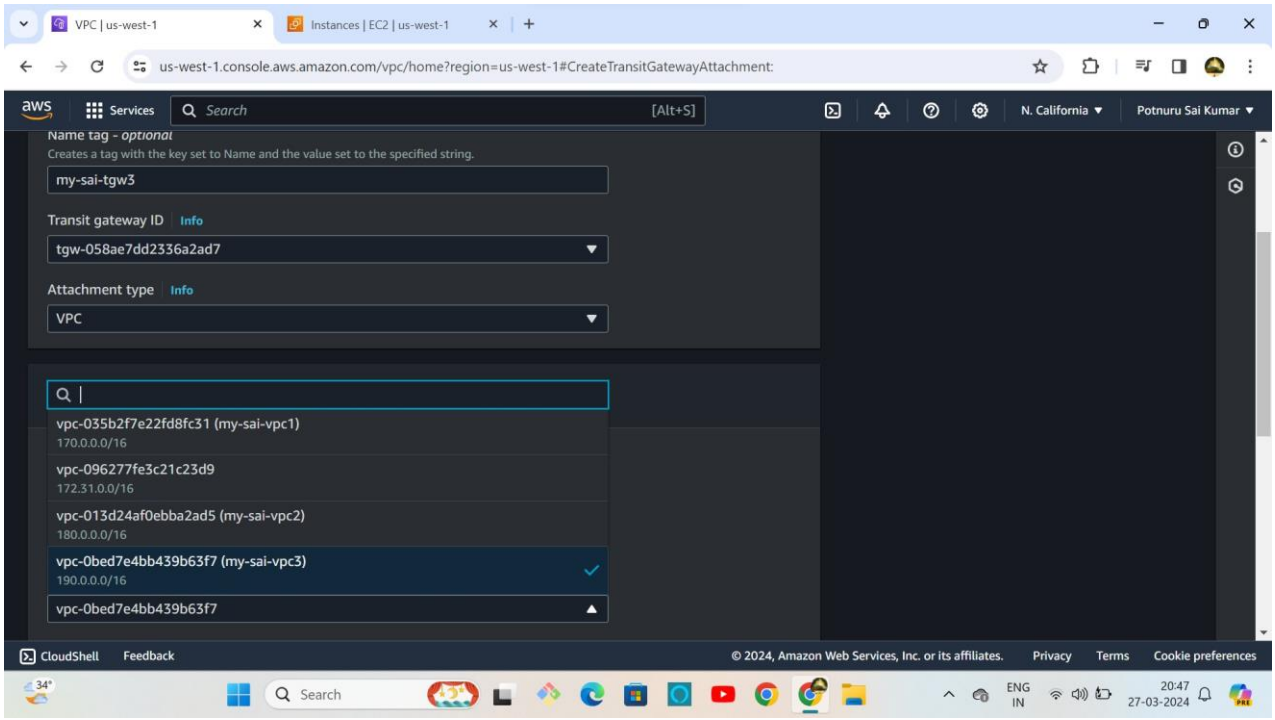

- First, we create a first transit gateway. And create a transit gateway attach name, connect with transit gateway and attach with VPC 2 to transit gateway attachment 2.



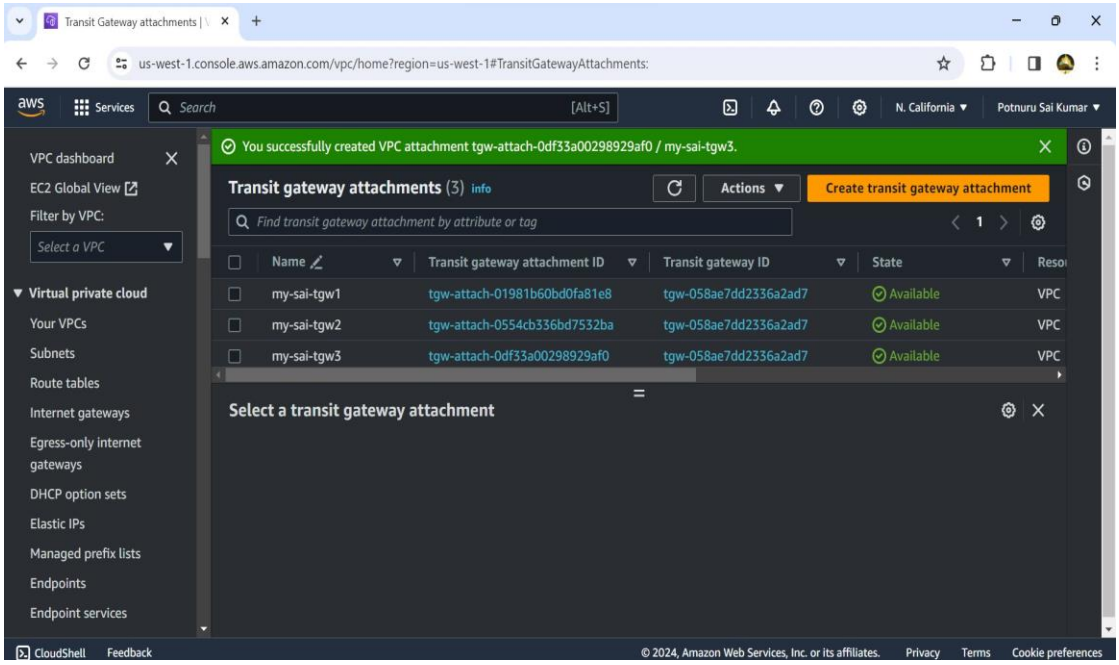

- Click on the create attachment that we successfully created the transit gateway attachment 2.



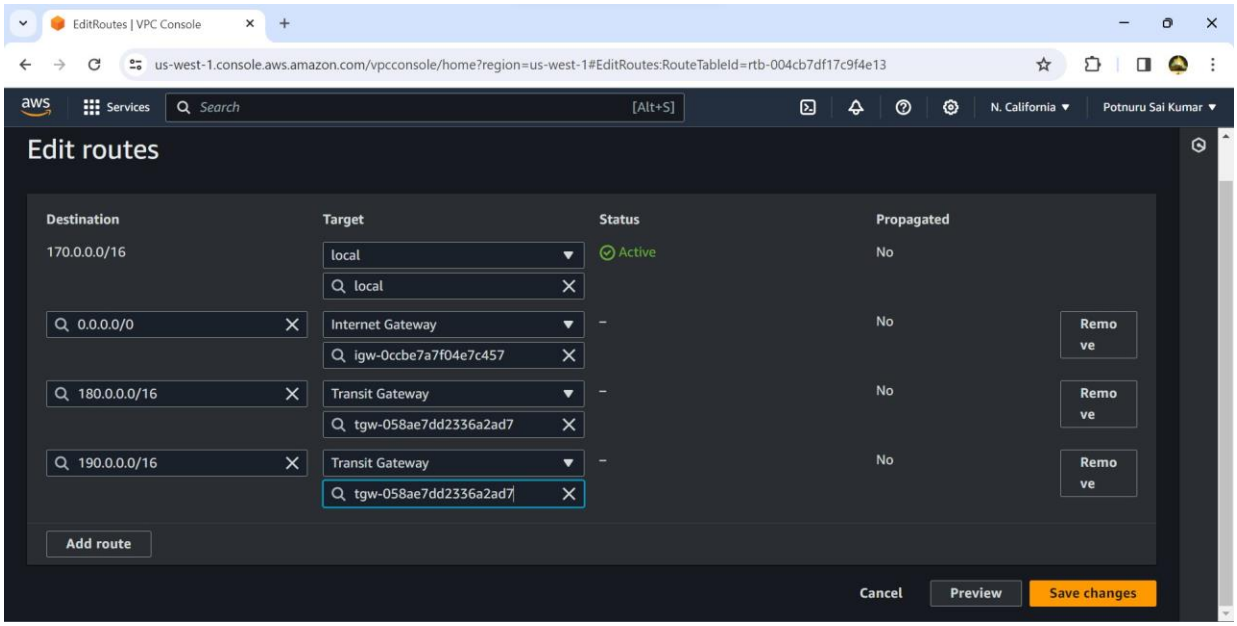

- Then we created a first transit gateway. And create a transit gateway attach name, connect with transit gateway and attach with VPC 3 totransit gateway attachment 3.



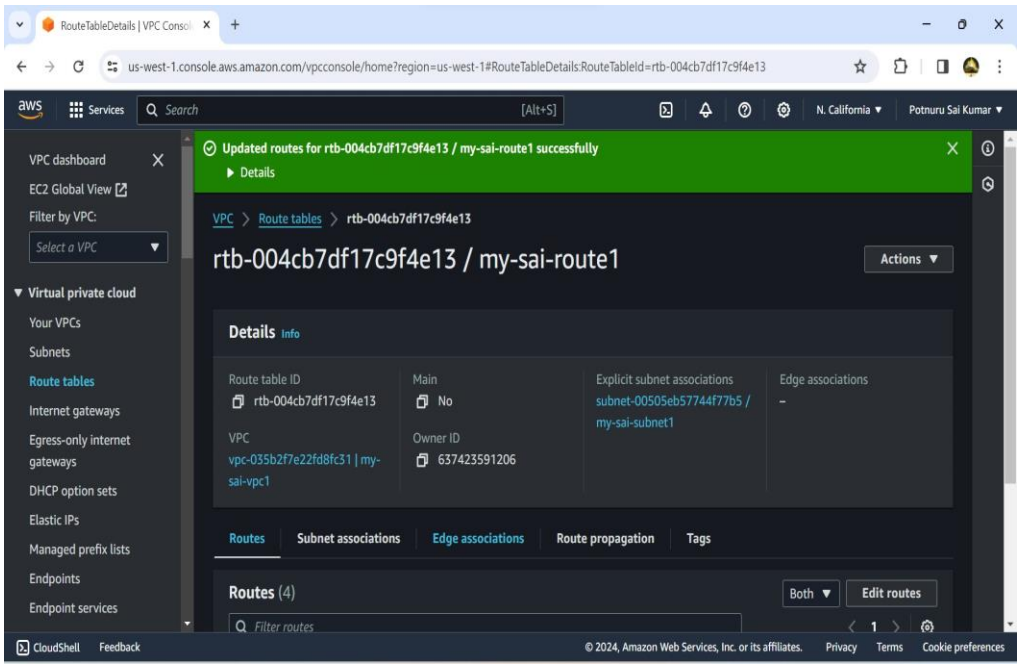

- Click on the create attachment that we successfully created the transit gateway attachment 3.



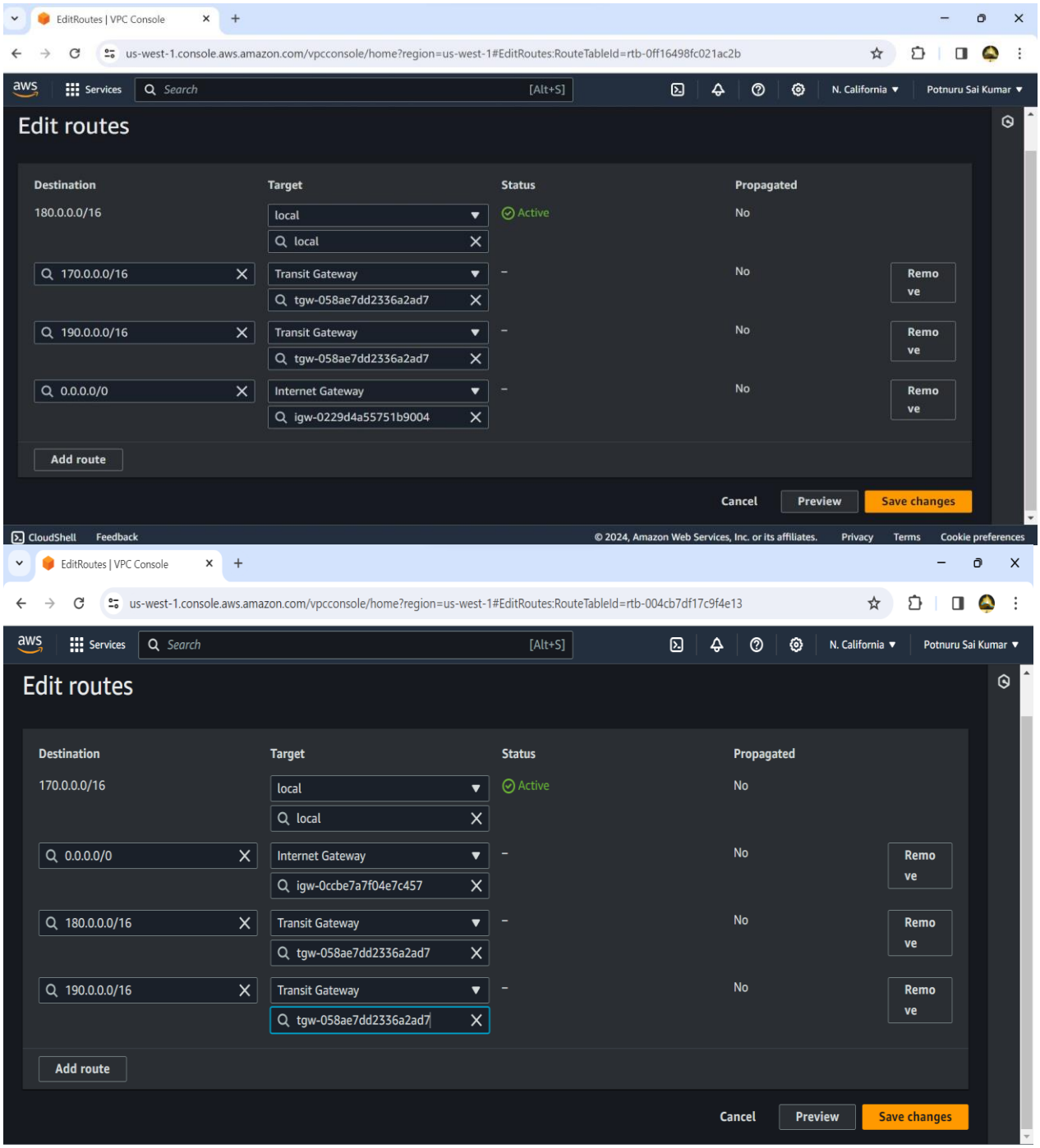

- After creating the transit gateway now, we can connect the transit gateway to route tables 1. We can edit routes to connect the transit gateway toconnect the VPCs.



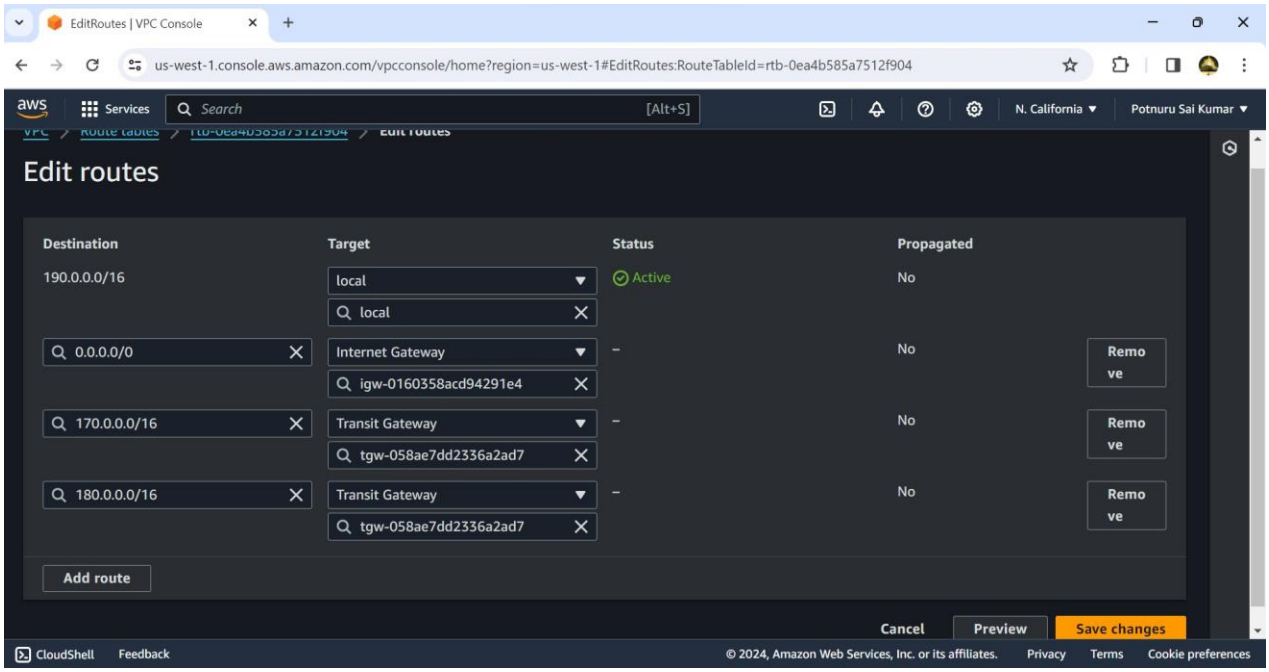

- We have successfully added the transit gateway to the routes table 1.



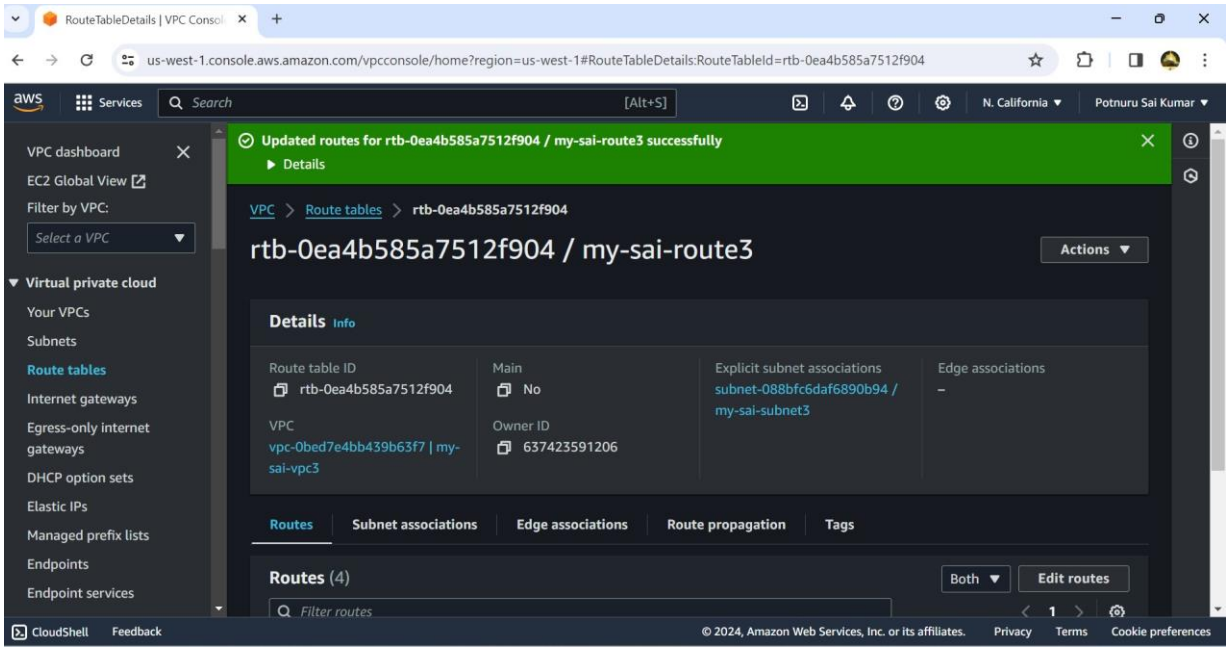

- After creating the transit gateway now, we can connect the transit gateway to route 2. We can edit routes to connect the transit gateway to connect the VPCs.



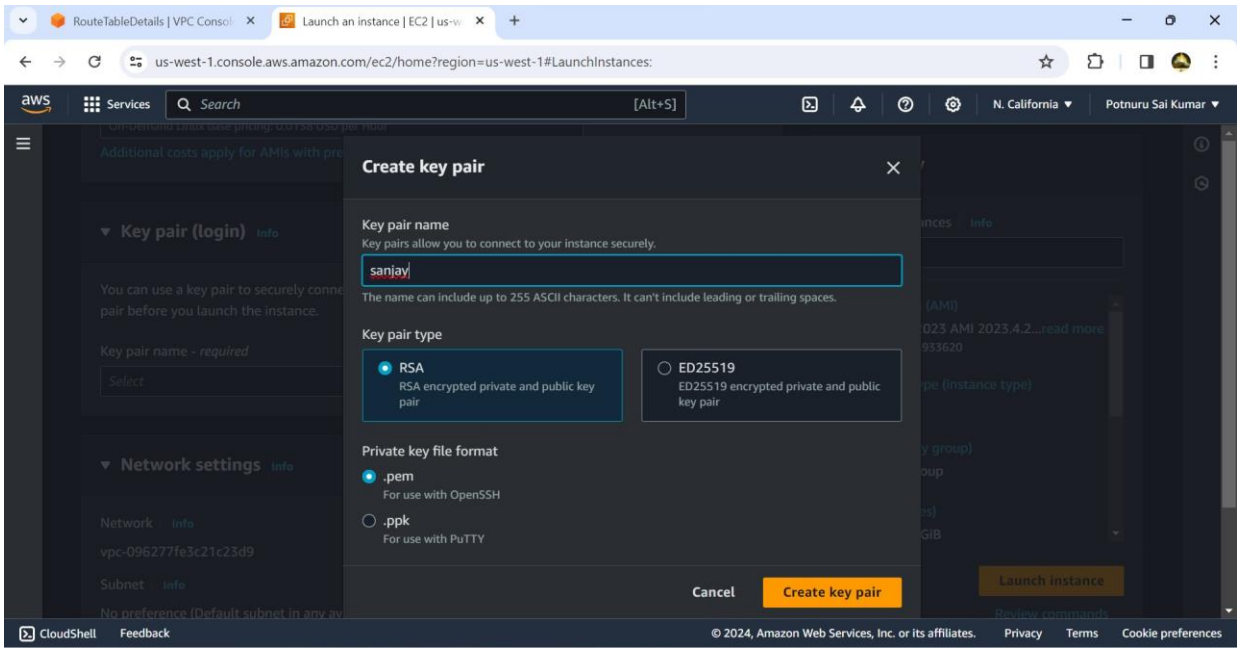

- We have successfully added the transit gateway to the routes table 2.
- After creating the transit gateway now, we can connect the transit gateway to route 3. We can edit routes to connect the transit gateway to connect the VPCs.



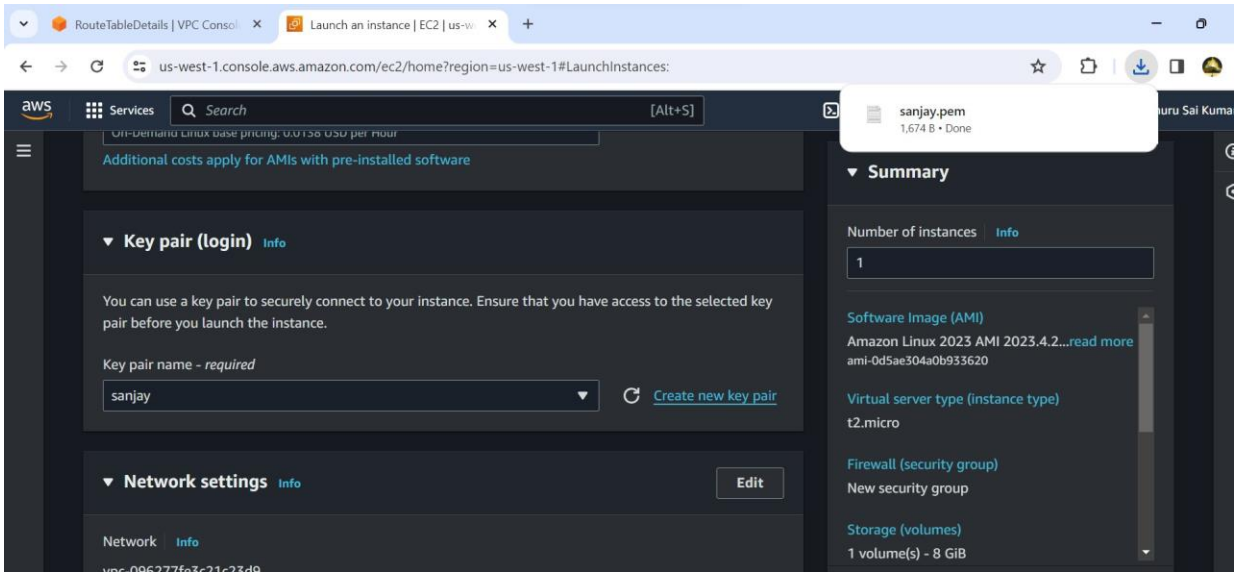

- We have successfully added the transit gateway to the routes table 3.



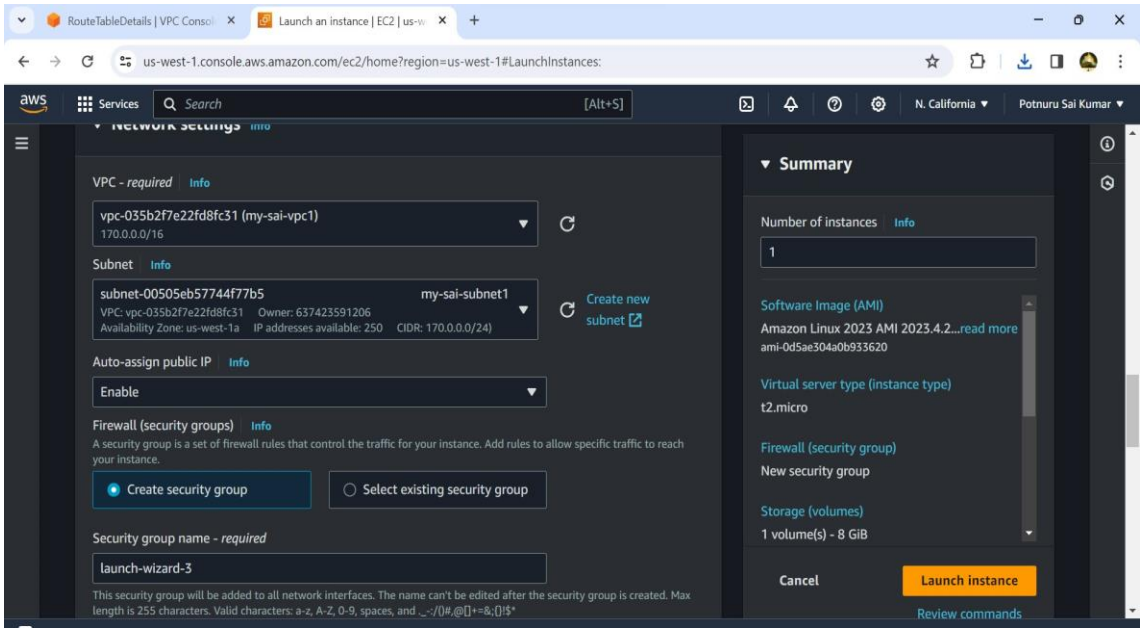
★ Now we can launch the three EC2 instances.
★ First we launch the instance, create the name of the instances and create the key pair and the type of the key pair is RSA and the file format is .Pem.
★ After clicking on the create key pair.



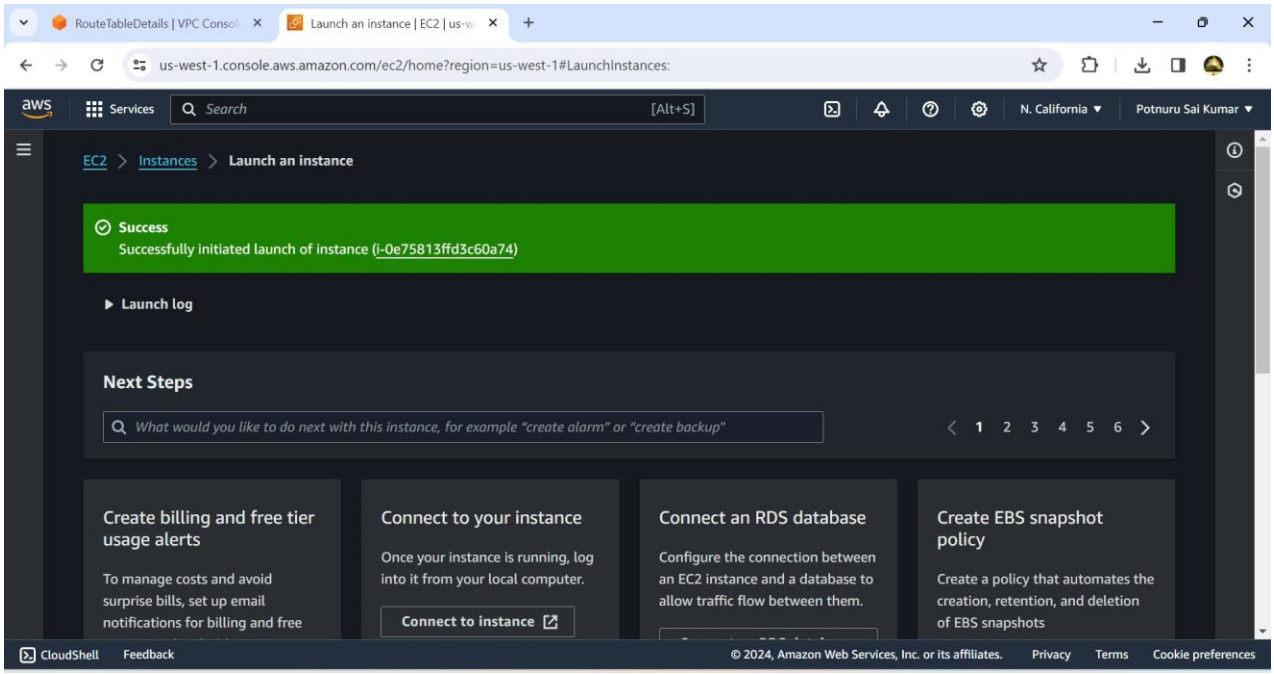

- Now the key pair will download to the desktop. The sanjay.Pem filewas downloaded at top of the desktop.



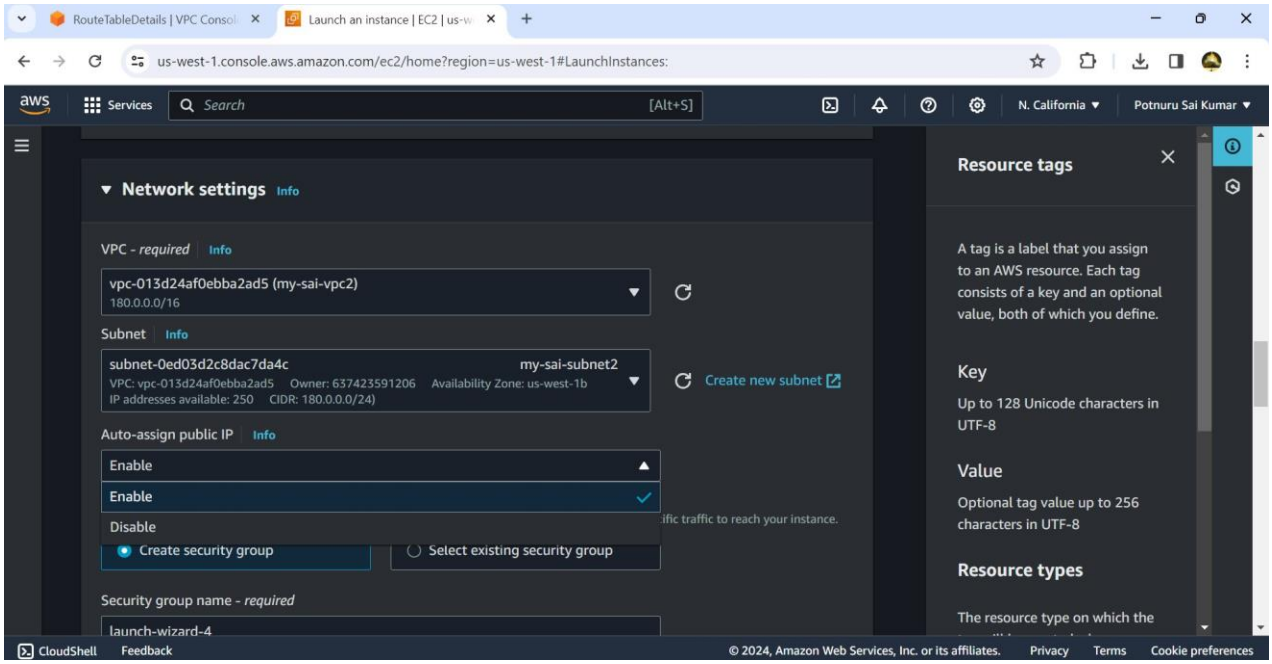
- After downloading the key pair now, we can edit the network settings and select VPC 1 and subnet 1 and finally enable the instance. That click on thelaunch instance.



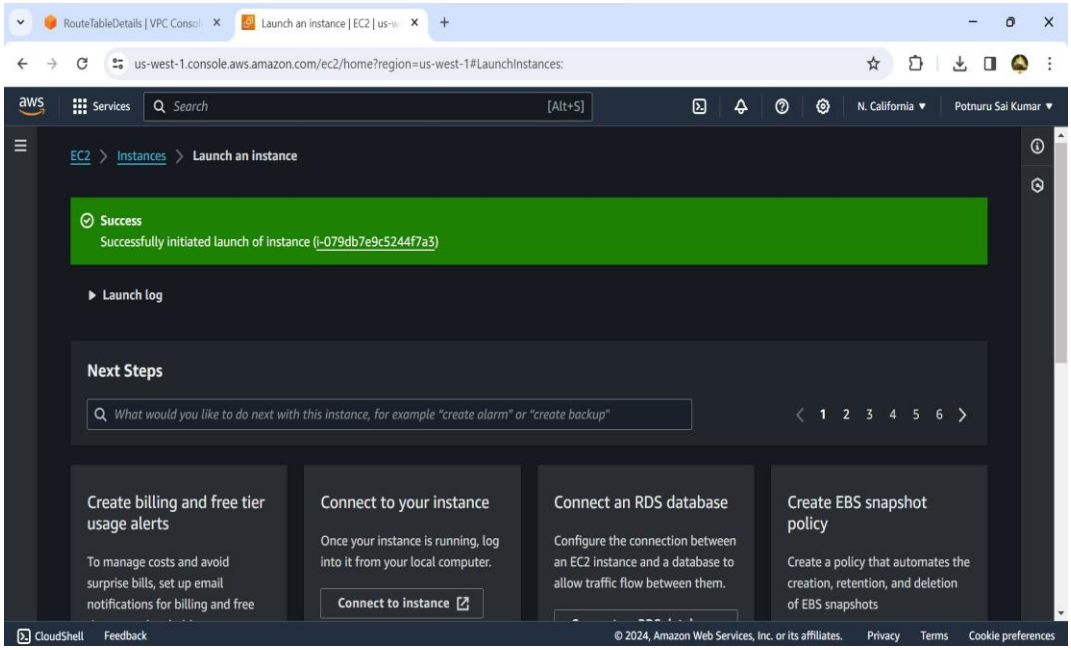

- Now the first EC2 instance was successfully initiated.



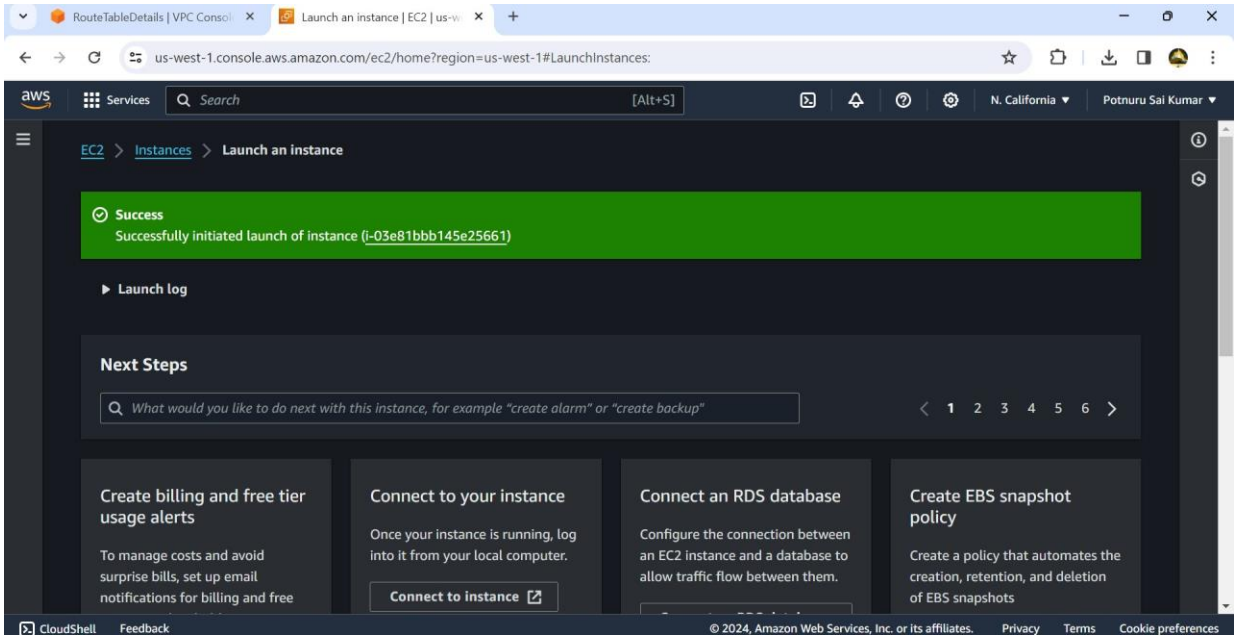

- Now we create a second instance after downloading the key pair now we can edit the network settings and select VPC 1 and subnet 1 and finallyenable the instance. That click on the launch instance.



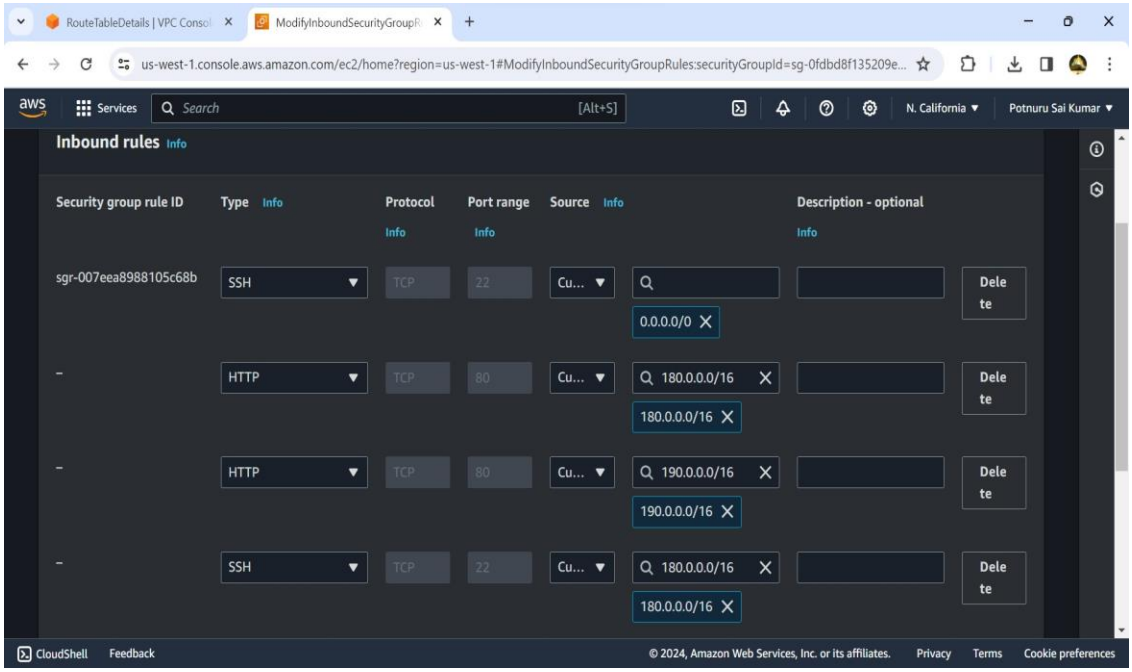

- Now the second EC2 instance was successfully initiated.



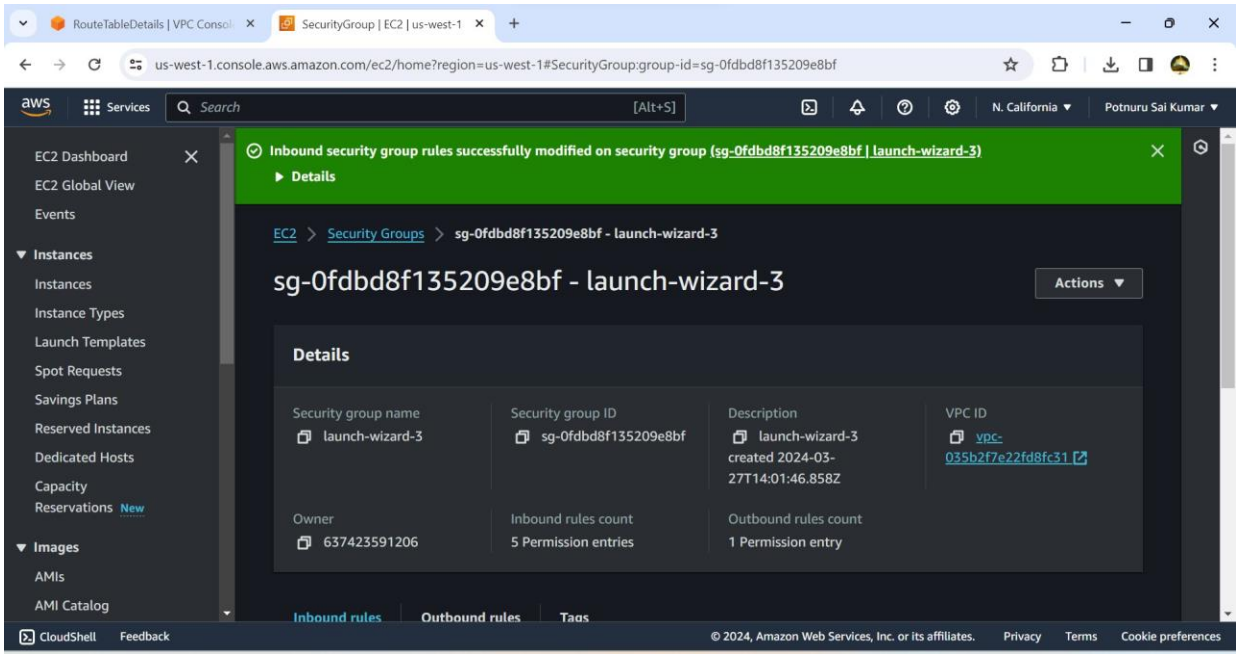

- Finally, we can third instance successfully initiated.



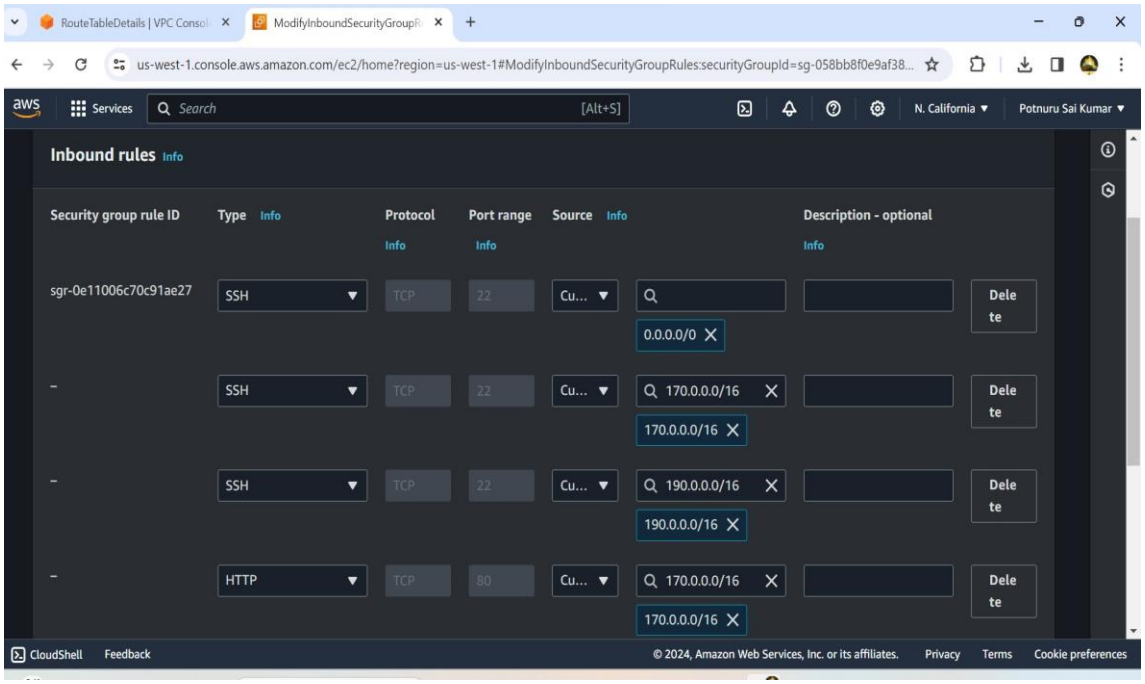

- By using the security id, we can edit the inbound rules of the ec1 instance.



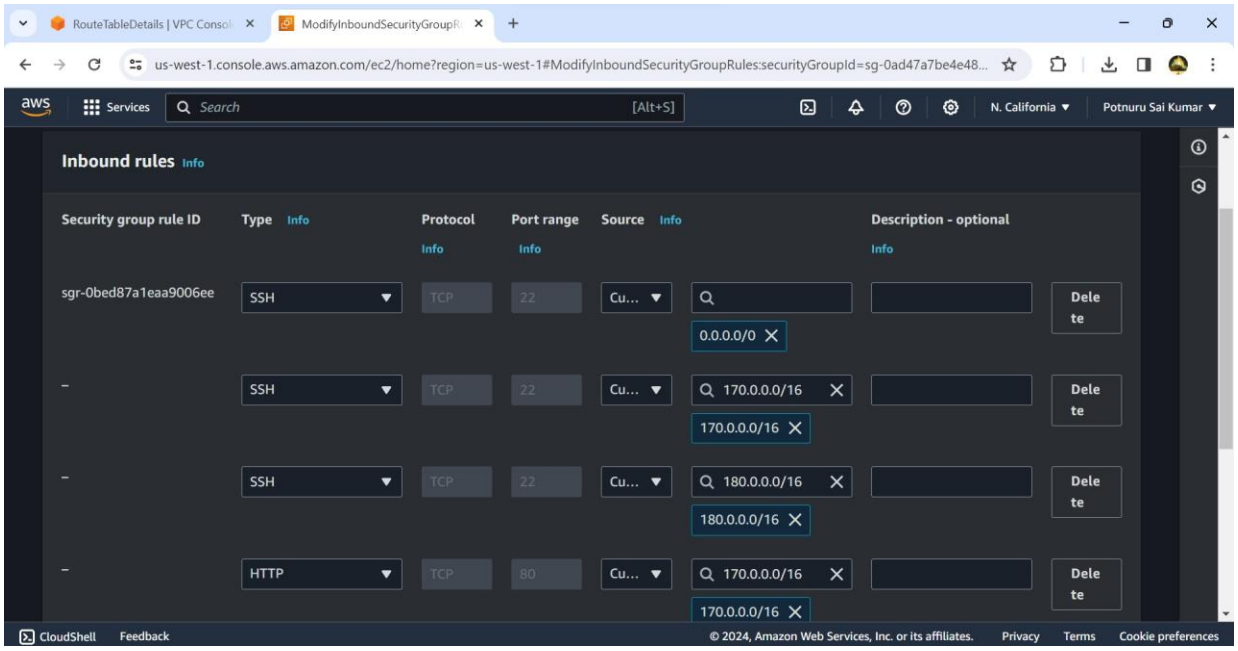

Finally, the rules update.



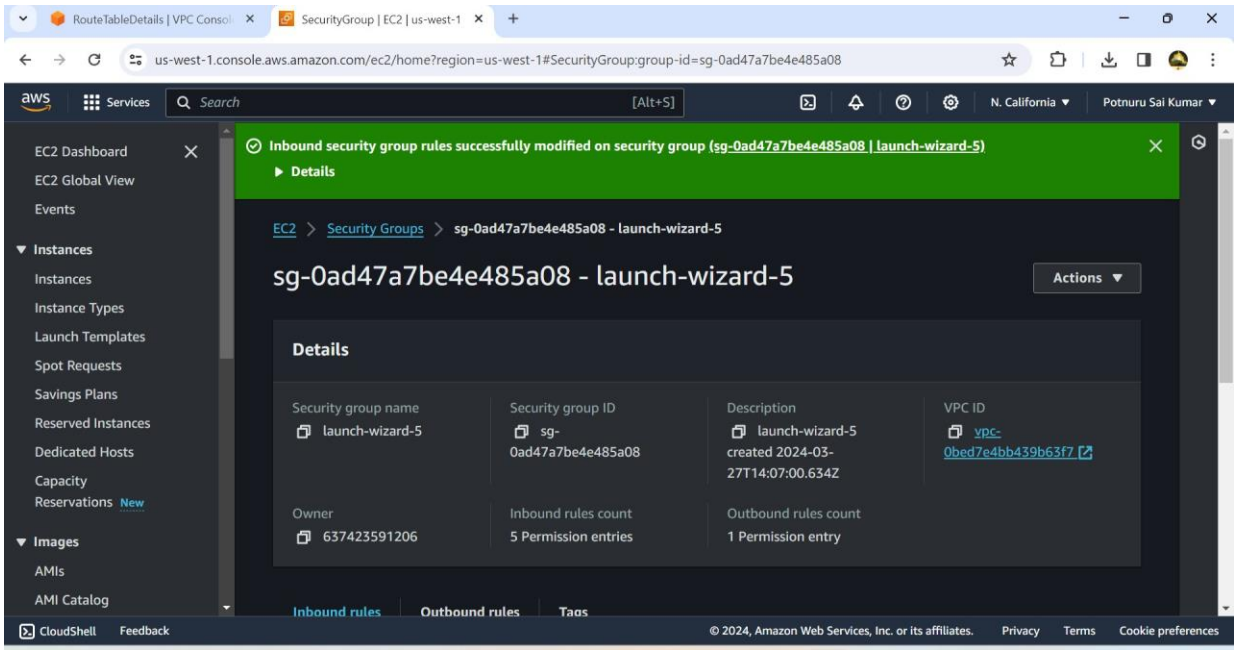

- By using the security id, we can edit the inbound rules of the ec2 instance.



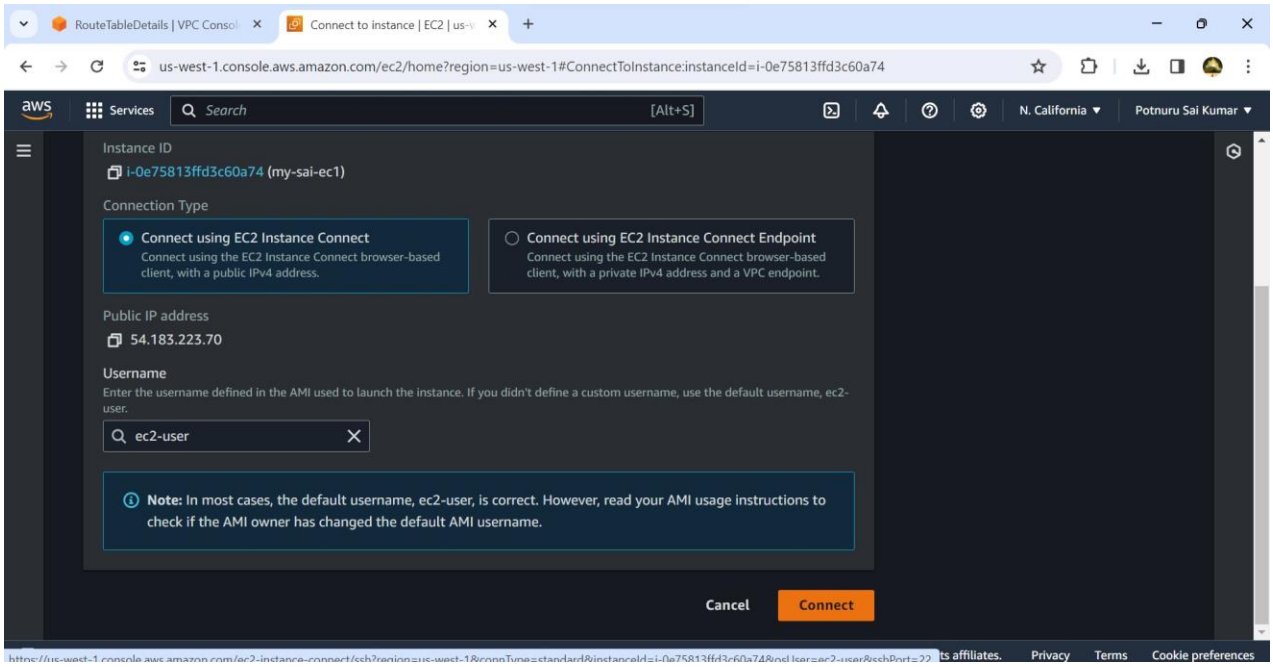

- By using the security id, we can edit the inbound rules of the ec3 instance.



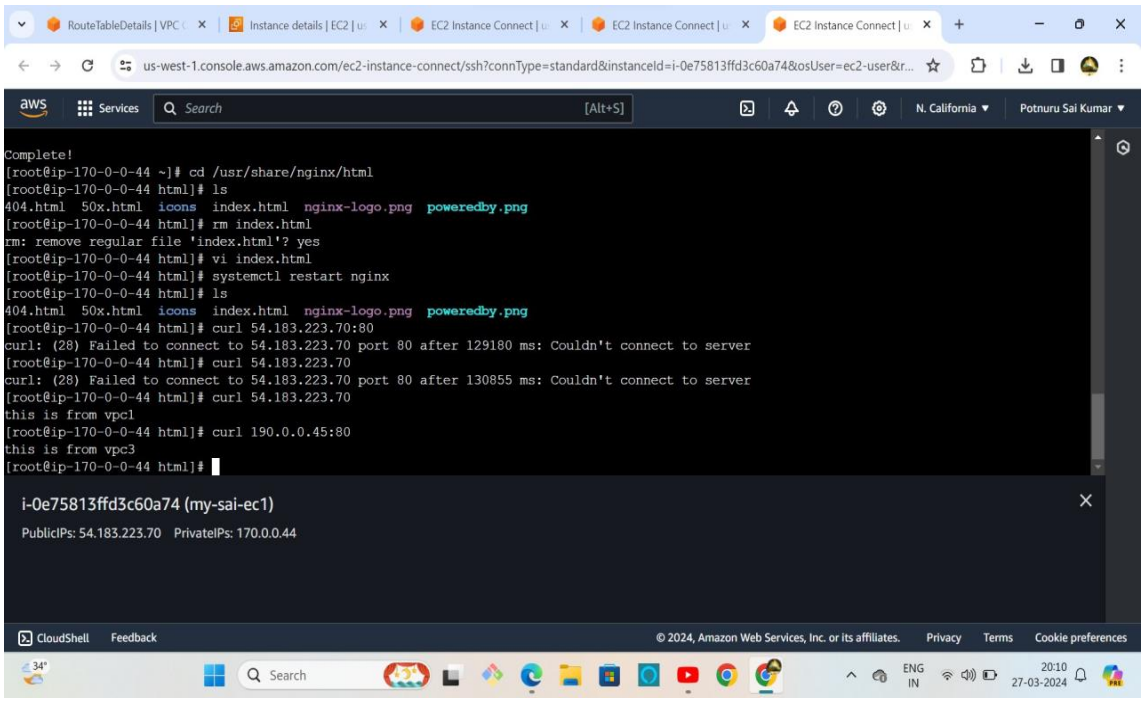

We are successful added.



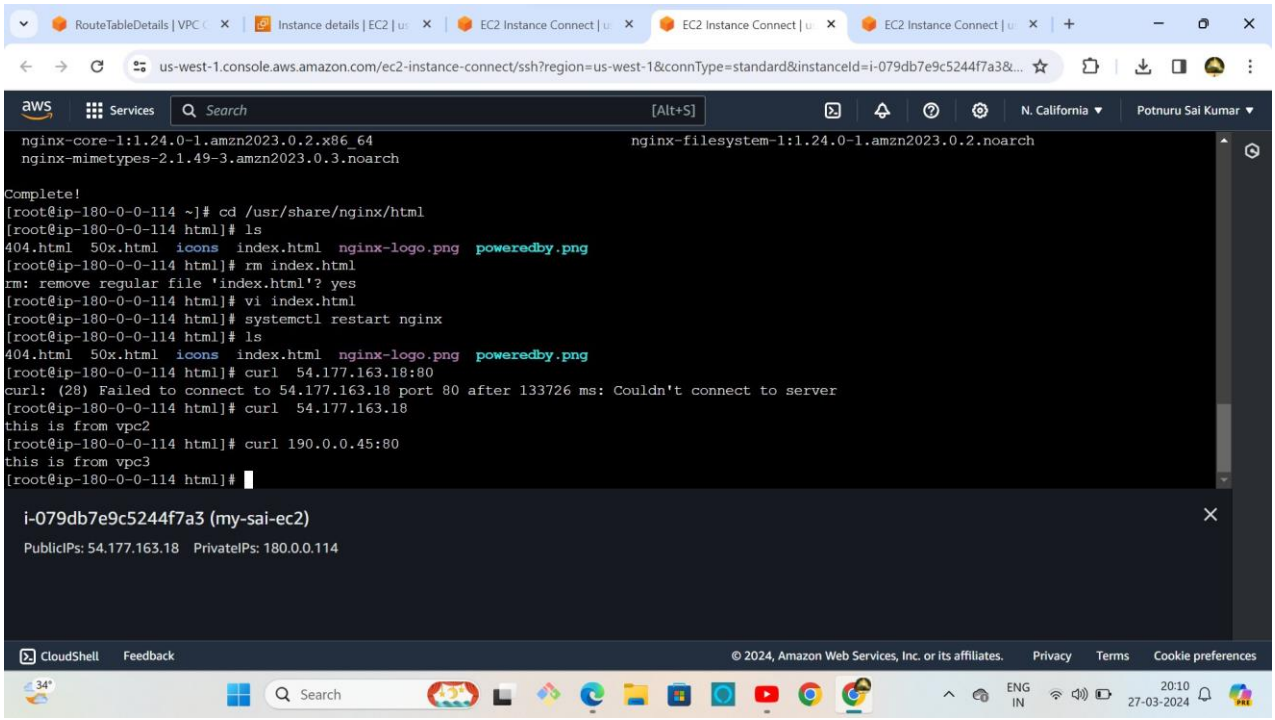

- Finally, we connect the first ec1 instances. Click on the connect to connect tothe server.



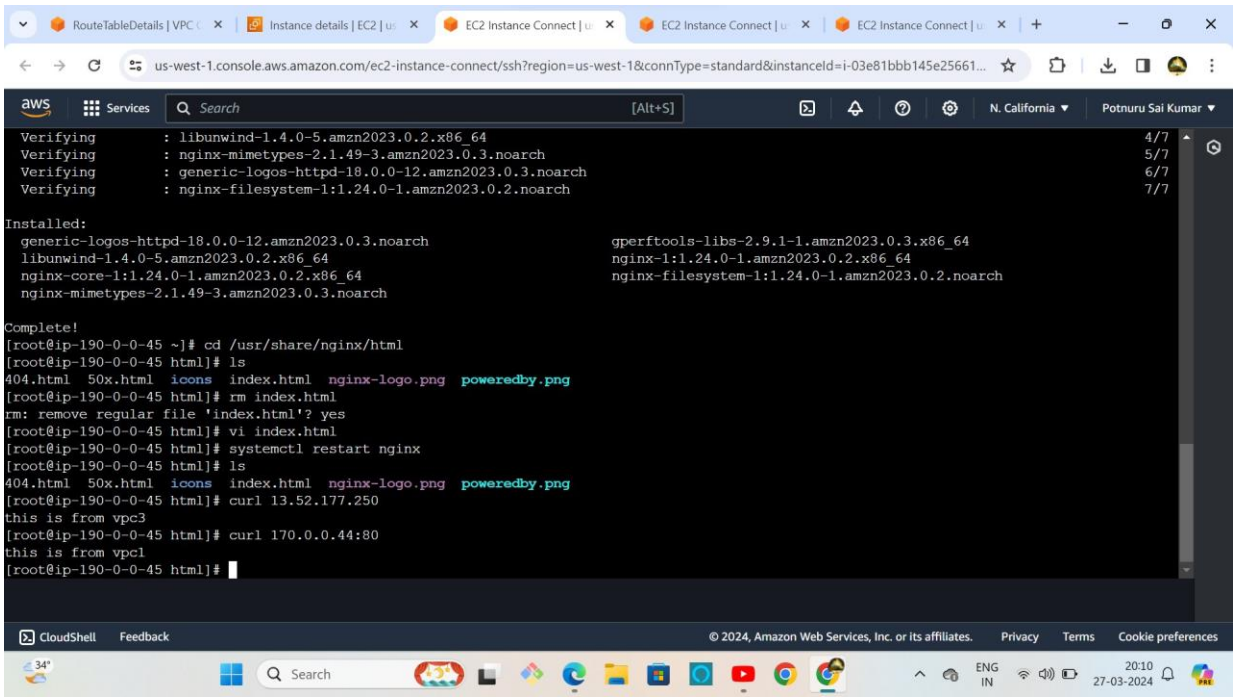

- Then we connect to the ec1 instances.



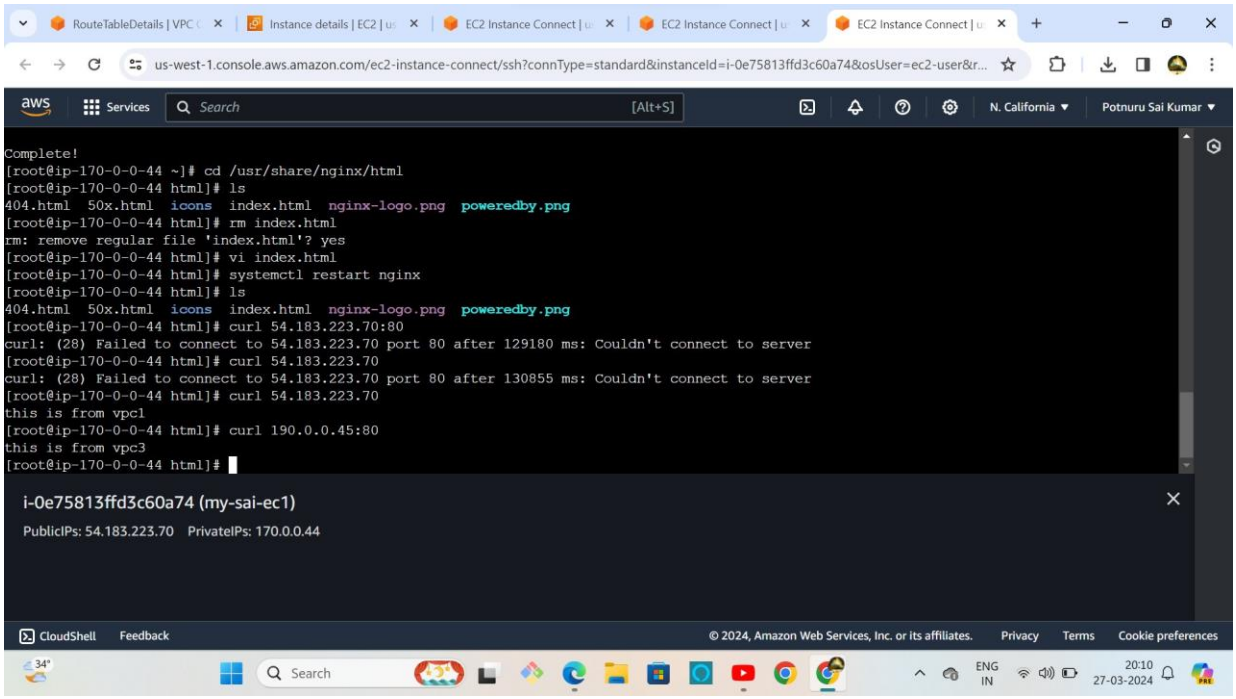

Ec2




Ec3




- Finally, we can connect from one instance to another instance by using thetransit gateway.


RouteTableDetails | VPC
Instance details | EC2
EC2 Instance Connect
EC2 Instance Connect
EC2 Instance Connect
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0e75813ffd3c60a74&osUser=ec2-user&r...
aws
Services
Search
[Alt+S]
N. California
Potnuru Sai Kumar
Complete!
[root@ip-170-0-0-44 ~]# cd /usr/share/nginx/html
[root@ip-170-0-0-44 html]# ls
404.html 50x.html icons index.html nginx-logo.png poweredby.png
[root@ip-170-0-0-44 html]# rm index.html
rm: remove regular file 'index.html'? yes
[root@ip-170-0-0-44 html]# vi index.html
[root@ip-170-0-0-44 html]# systemctl restart nginx
[root@ip-170-0-0-44 html]# ls
404.html 50x.html icons index.html nginx-logo.png poweredby.png
[root@ip-170-0-0-44 html]# curl 54.183.223.70:80
curl: (28) Failed to connect to 54.183.223.70 port 80 after 129180 ms: Couldn't connect to server
[root@ip-170-0-0-44 html]# curl 54.183.223.70
curl: (28) Failed to connect to 54.183.223.70 port 80 after 130855 ms: Couldn't connect to server
[root@ip-170-0-0-44 html]# curl 54.183.223.70
this is from vpc1
[root@ip-170-0-0-44 html]# curl 190.0.0.45:80
this is from vpc3
[root@ip-170-0-0-44 html]#
i-0e75813ffd3c60a74 (my-sai-ec1)
PublicIPs: 54.183.223.70 PrivateIPs: 170.0.0.44
CloudShell
Feedback
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Privacy
Terms
Cookie preferences
Search
ENG
IN
20:10
27-03-2024