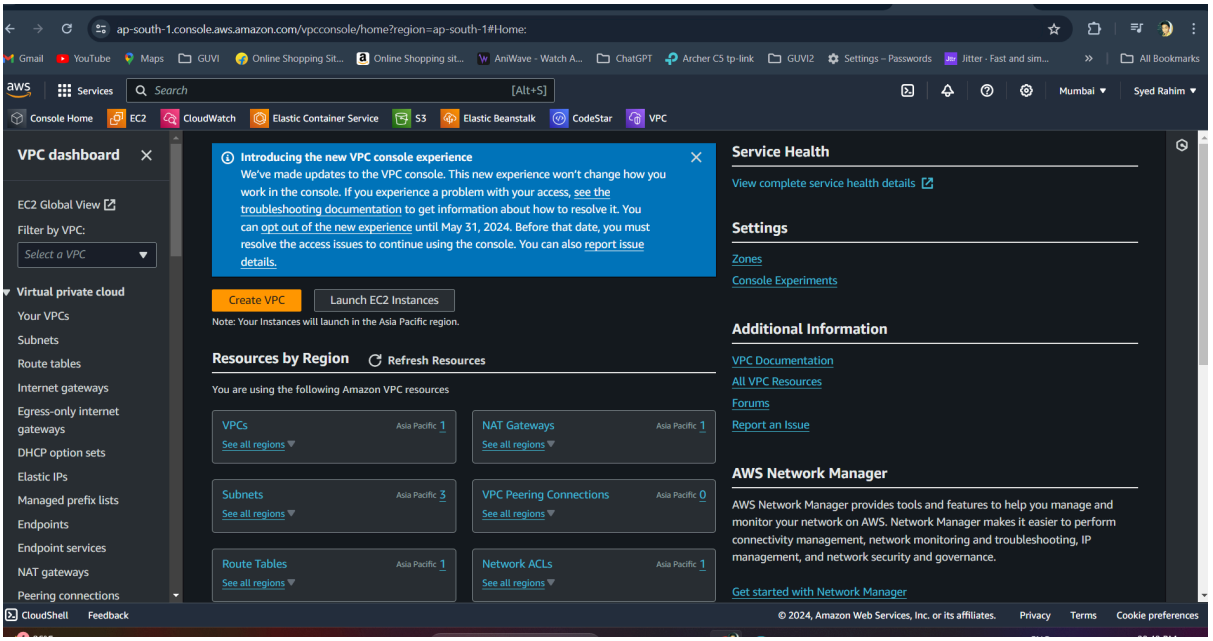
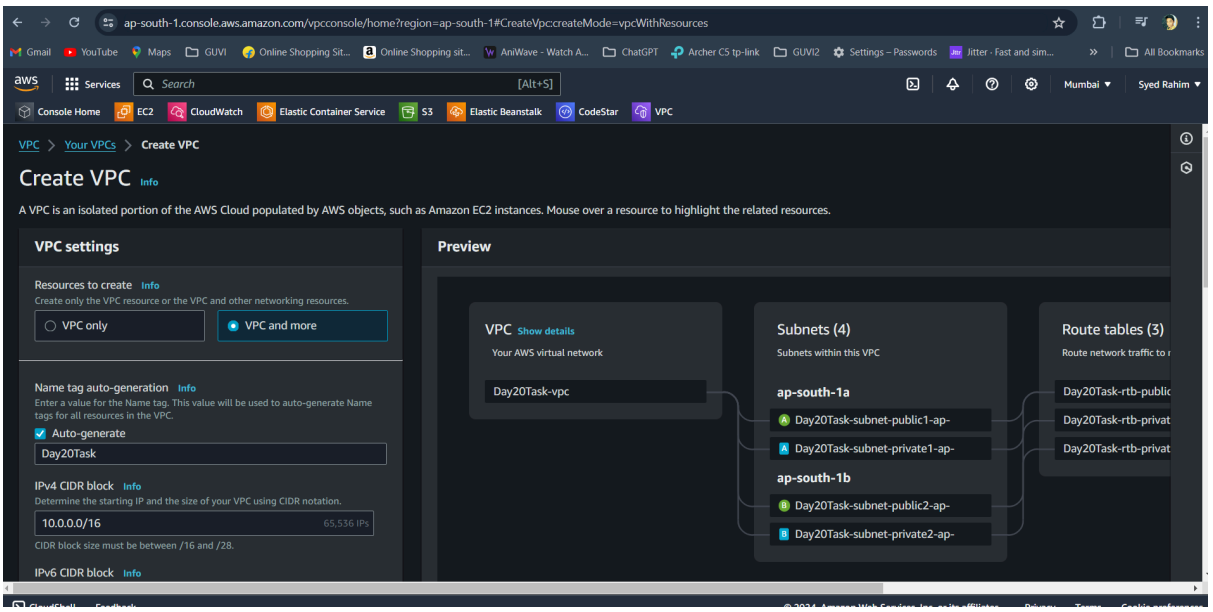
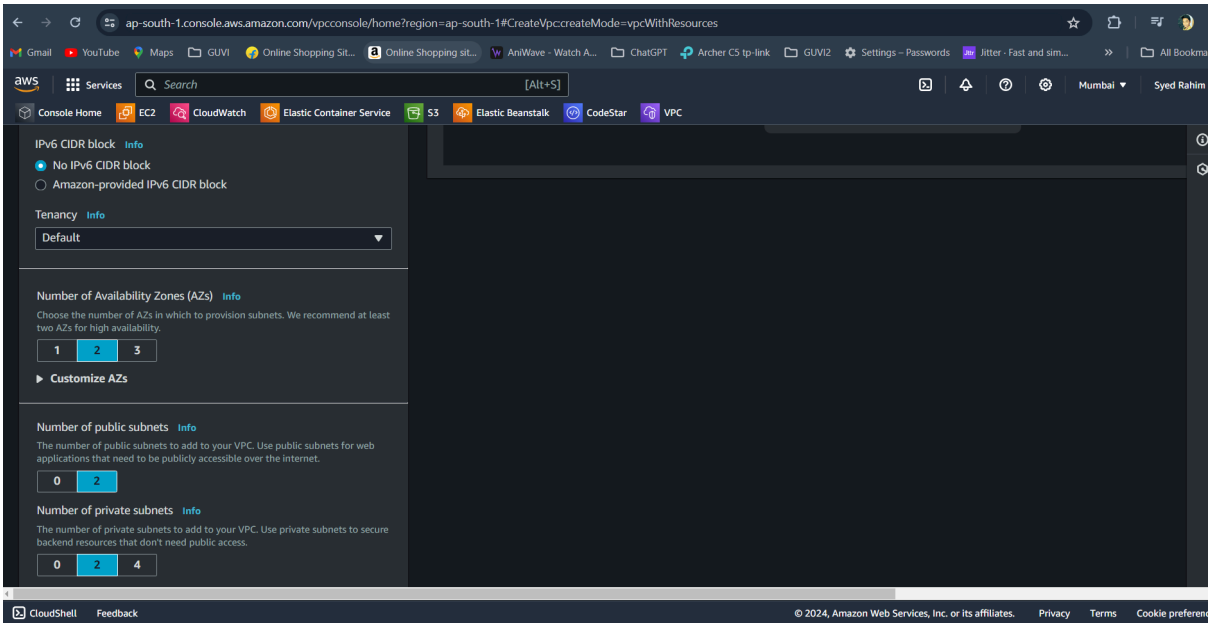
Set up a VPC with an Internet gateway, create a public subnet, a private subnet make a route table connecting the Internet gateway and the subnets, and launch a Linux EC2 instance by using the above vpc and public subnet.

Step 1: Click on Create VPC



Step 2: Select VPC and more (As it gives you preview of what you are createing)




ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateVpc:createMode=vpcWithResources
Gmail YouTube Maps GUVI Online Shopping Sit... Online Shopping sit... AniWave - Watch A... ChatGPT Archer C5 tp-link GUVI2 Settings – Passwords Jitter - Fast and sim... All Bookma
aws Services Search [Alt+S] Mumbai Syed Rahim
Console Home EC2 CloudWatch Elastic Container Service S3 Elastic Beanstalk CodeStar VPC
IPv6 CIDR block Info
No IPv6 CIDR block
Amazon-provided IPv6 CIDR block
Tenancy Info
Default
Number of Availability Zones (AZs) Info
Choose the number of AZs in which to provision subnets. We recommend at least two AZs for high availability.
1 2 3
Customize AZs
Number of public subnets Info
The number of public subnets to add to your VPC. Use public subnets for web applications that need to be publicly accessible over the internet.
0 2
Number of private subnets Info
The number of private subnets to add to your VPC. Use private subnets to secure backend resources that don't need public access.
0 2 4
CloudShell Feedback
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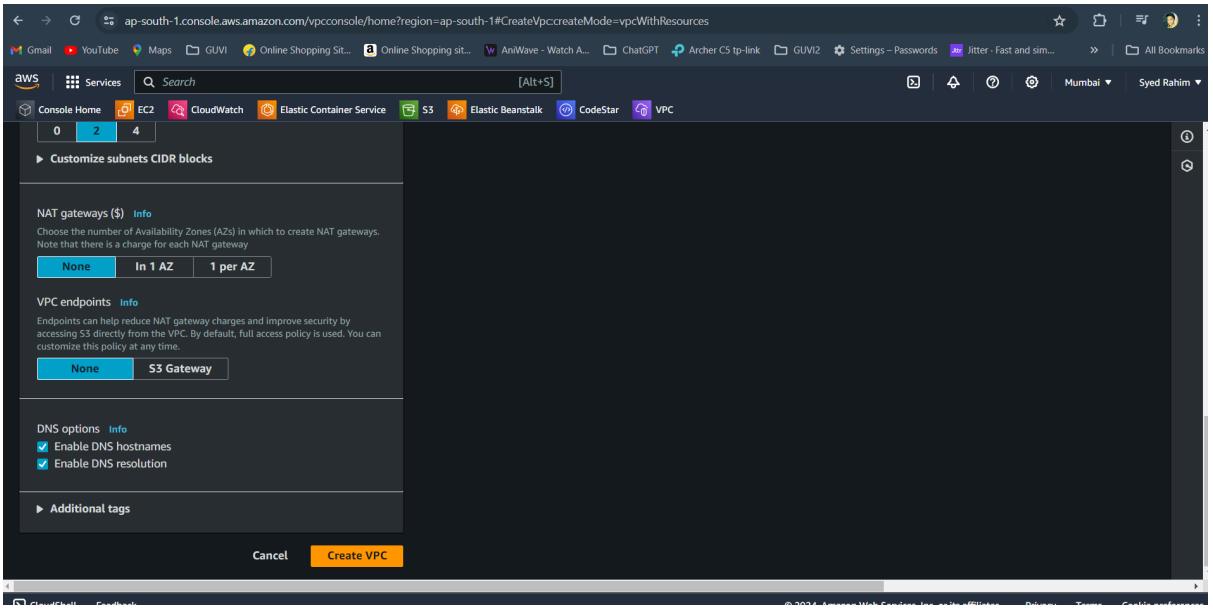
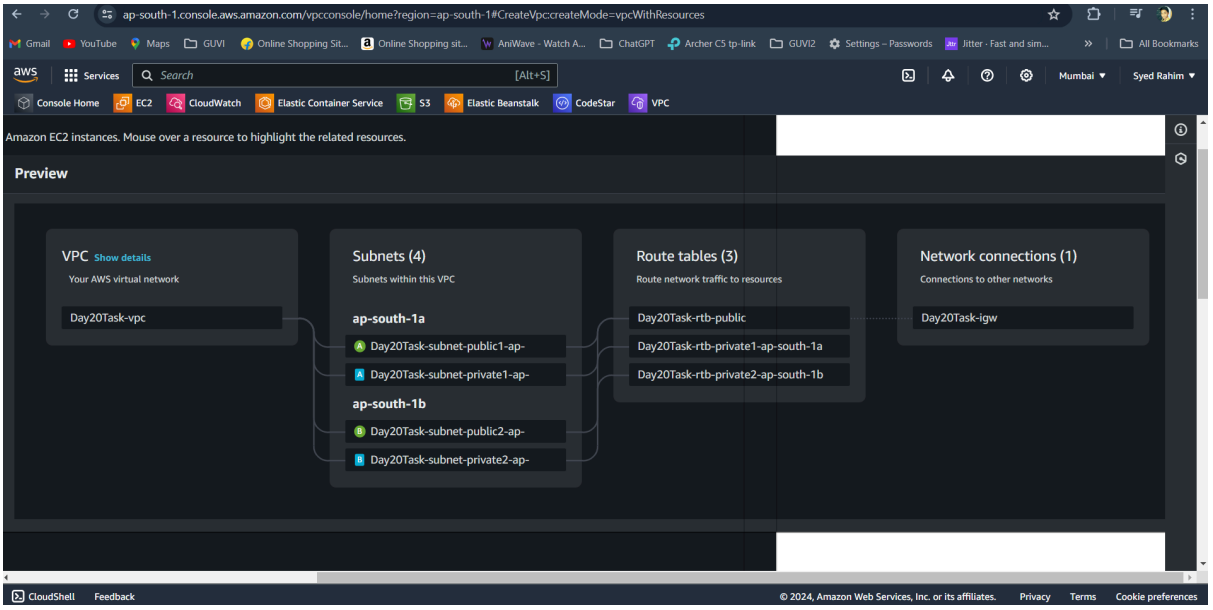
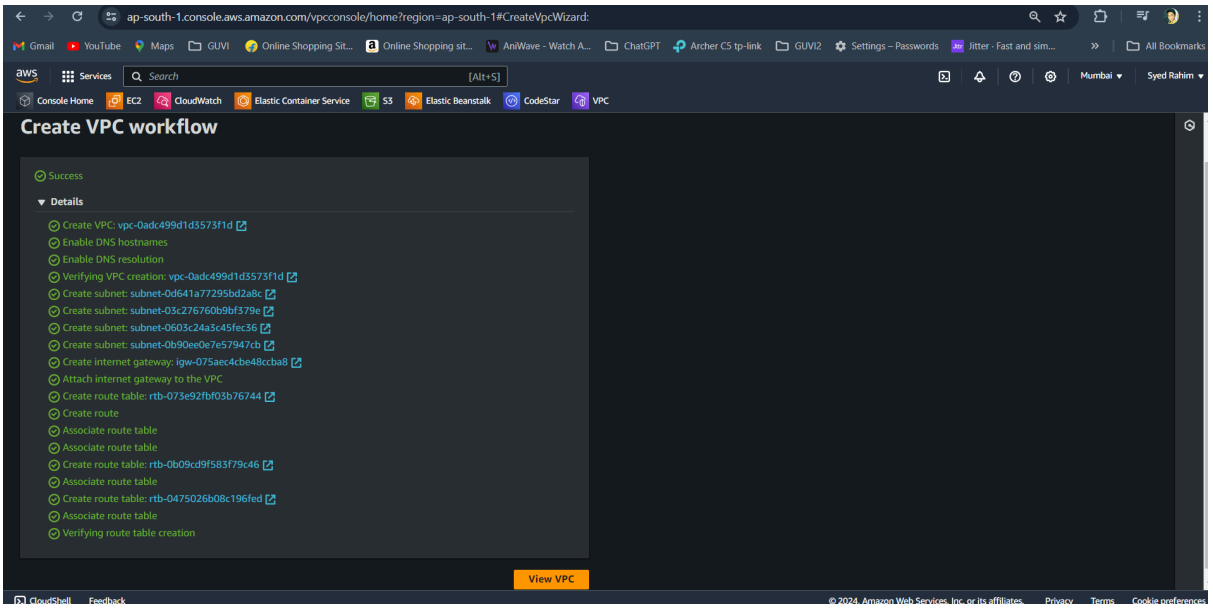

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateVpc:createMode=vpcWithResources
Gmail YouTube Maps GUVI Online Shopping Sit... Online Shopping sit... AniWave - Watch A... ChatGPT Archer C5 tp-link GUVI2 Settings – Passwords Jitter - Fast and sim... All Bookmarks
aws Services Search [Alt+S] Mumbai Syed Rahim
Console Home EC2 CloudWatch Elastic Container Service S3 Elastic Beanstalk CodeStar VPC
0 2 4
Customize subnets CIDR blocks
NAT gateways ($) Info
Choose the number of Availability Zones (AZs) in which to create NAT gateways. Note that there is a charge for each NAT gateway
None In 1 AZ 1 per AZ
VPC endpoints Info
Endpoints can help reduce NAT gateway charges and improve security by accessing S3 directly from the VPC. By default, full access policy is used. You can customize this policy at any time.
None S3 Gateway
DNS options Info
Enable DNS hostnames
Enable DNS resolution
Additional tags
Cancel
Create VPC

Step 3: After filling the info/selecting the options/info Click “Create VPC”

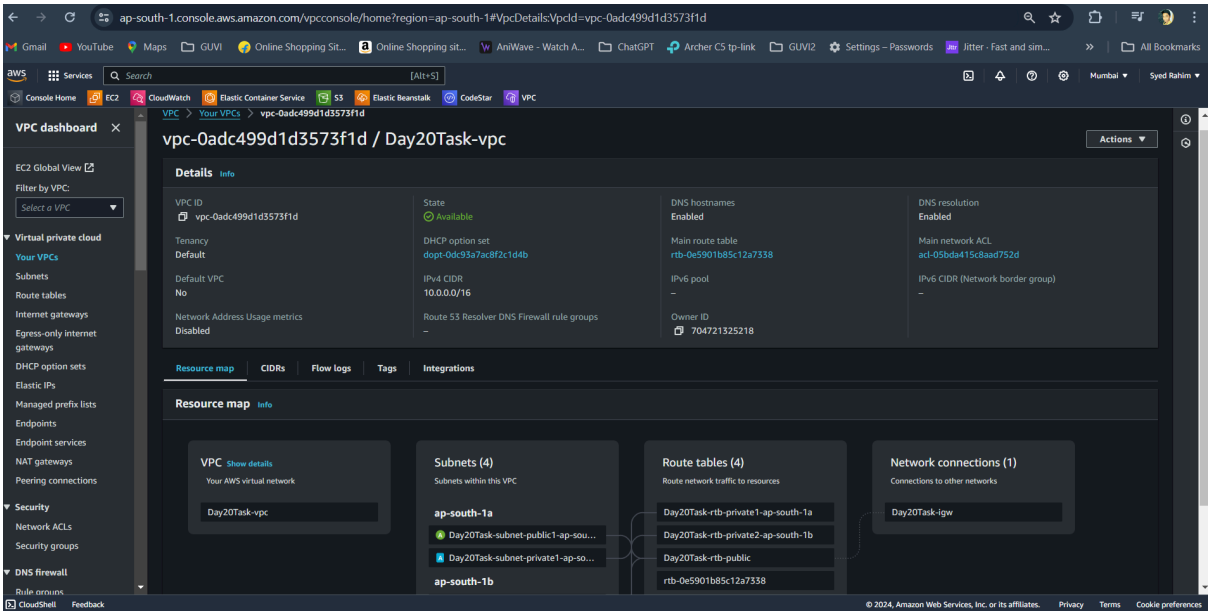
The Preview:



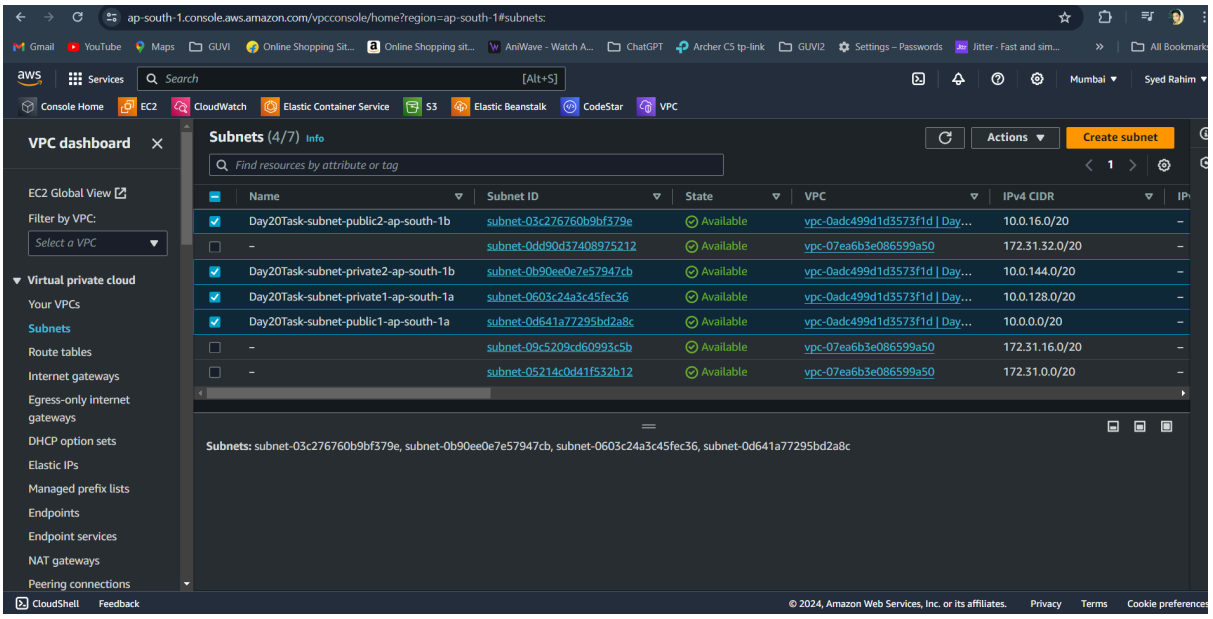
Step 4: VPC created and click on “View VPC”



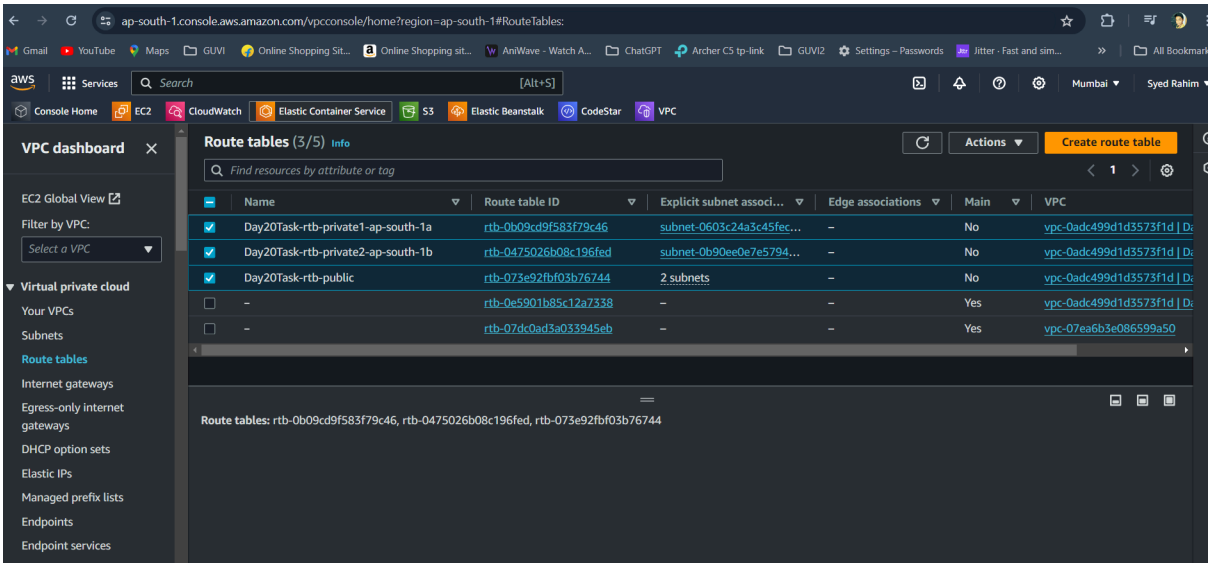
My VPC:



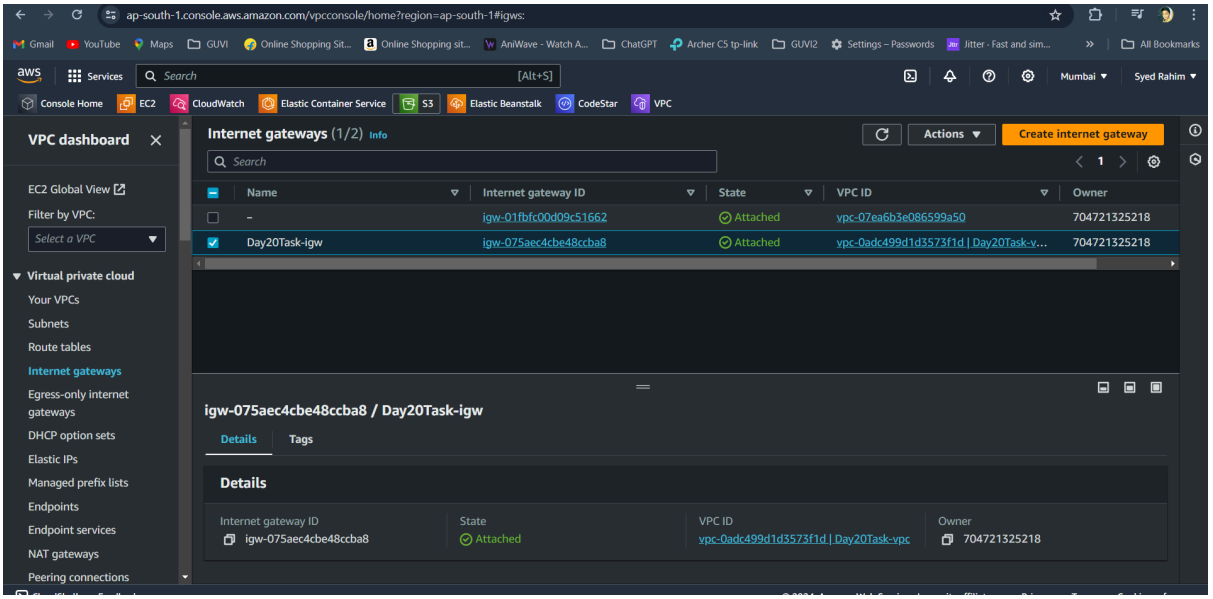
My Private and Public Subnets:



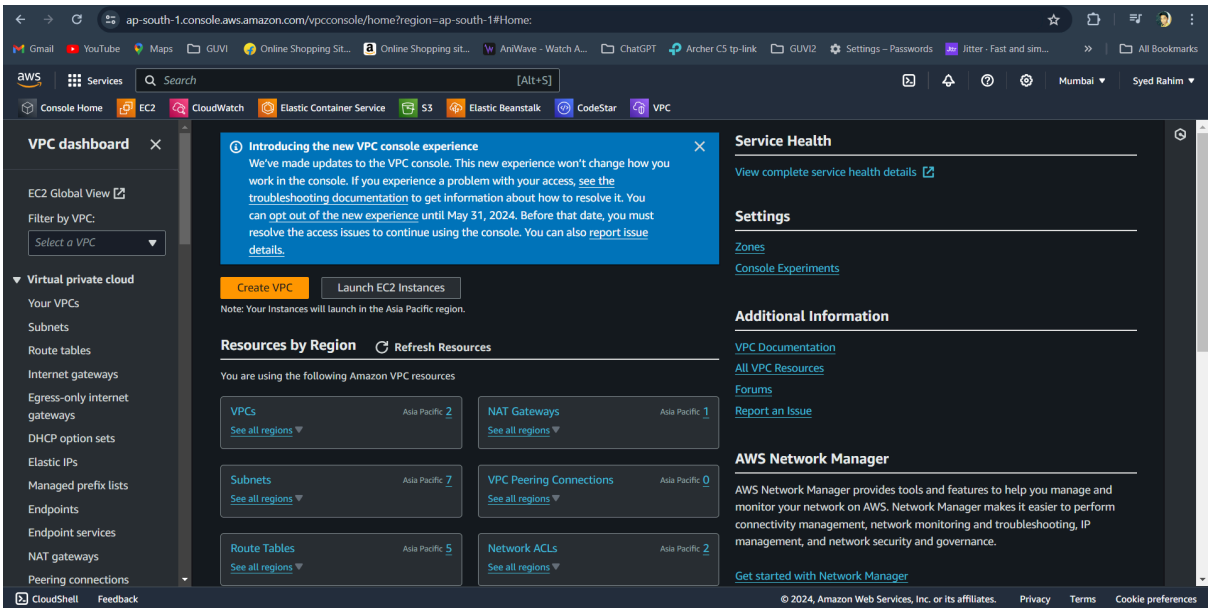
My Private and Public Route table:



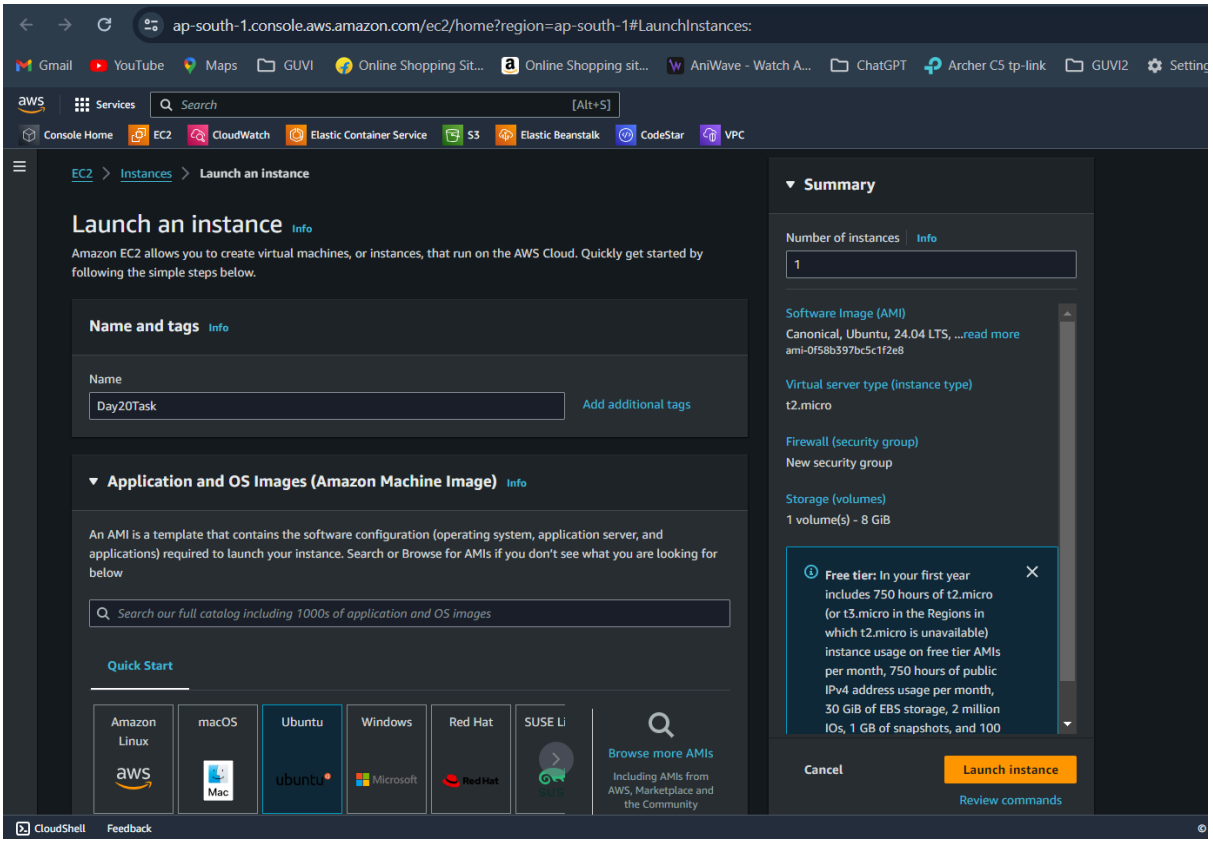
My Internet gateways:



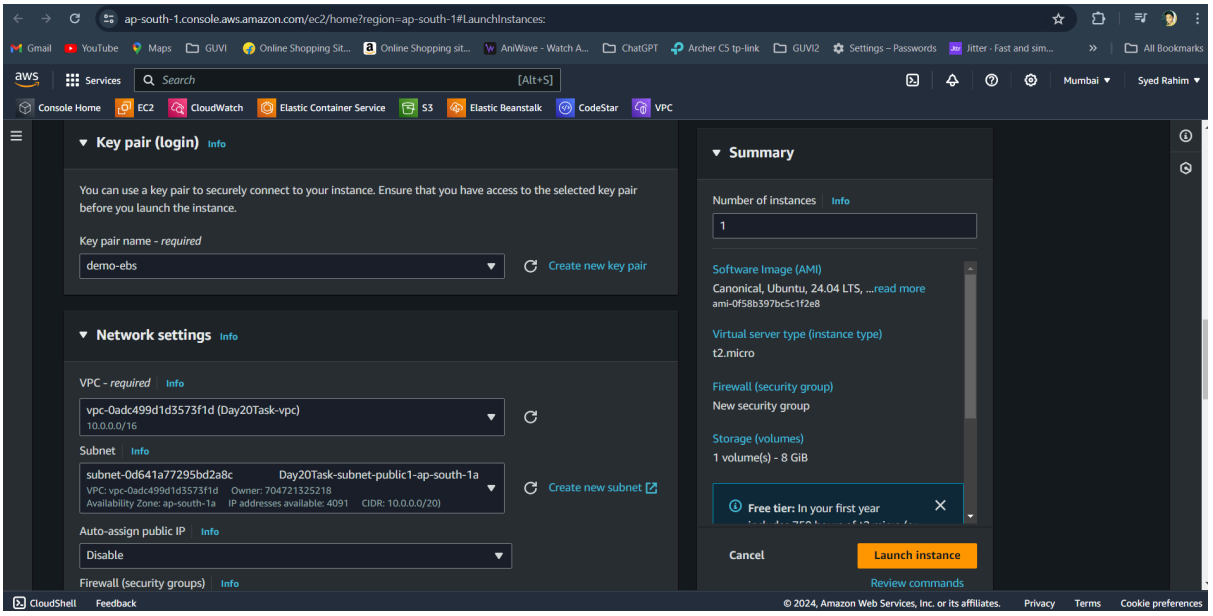
Step 5: Click on Launch EC2 Instances



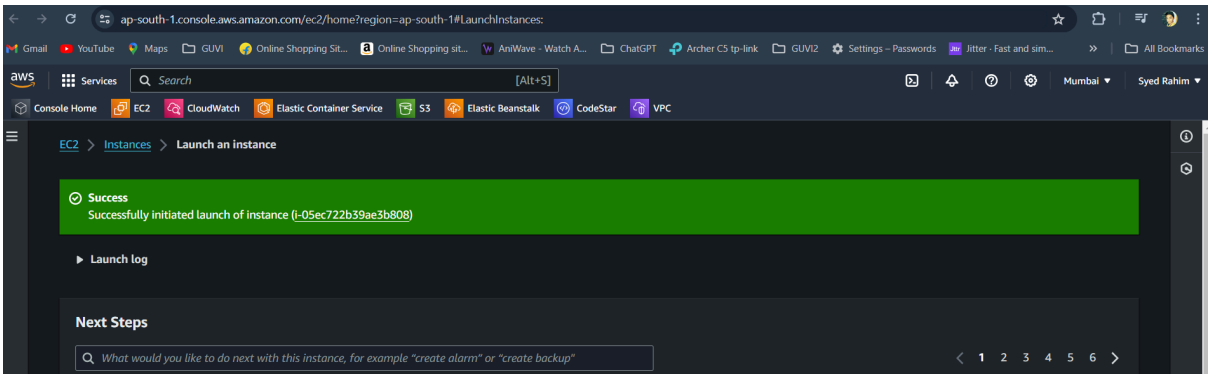
Step 6: Select the select and filling the following



Step 7: Give a Ket pair —> Select the custom VPC that was created —> select the Public subnet —> Click on Launch Instance



Instance launched Successfuly



Done.