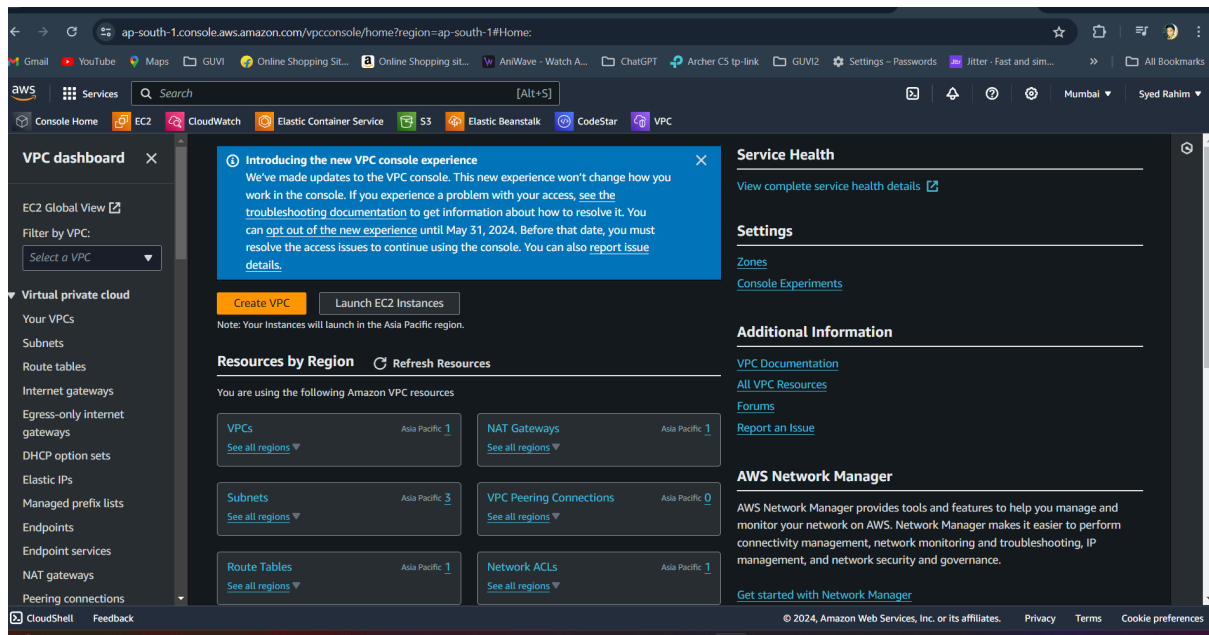
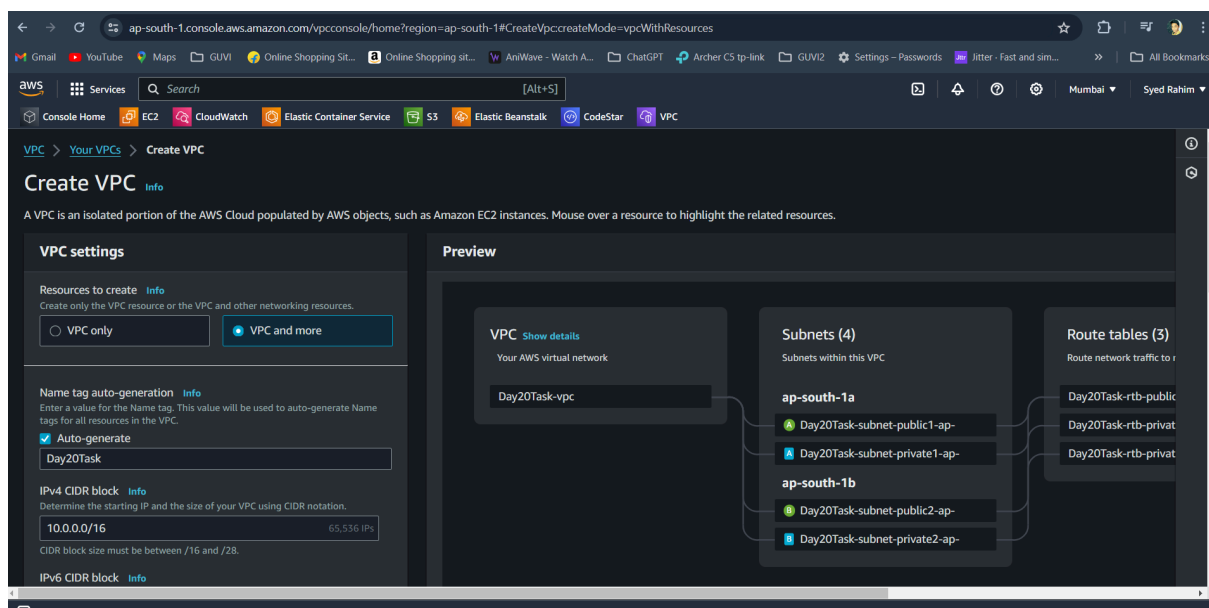


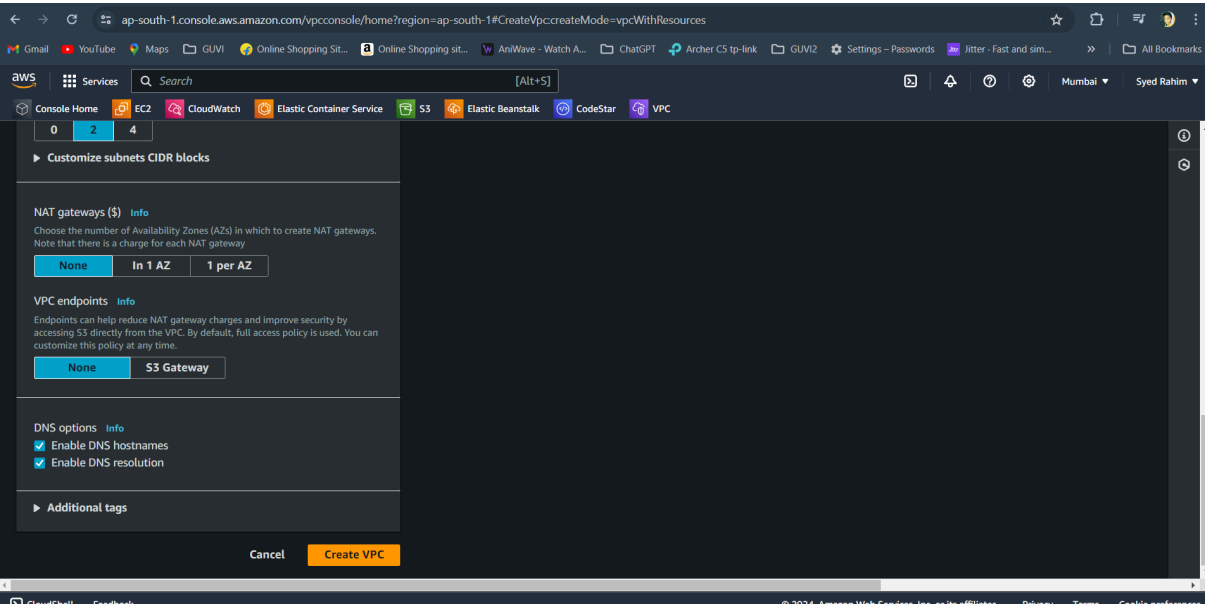
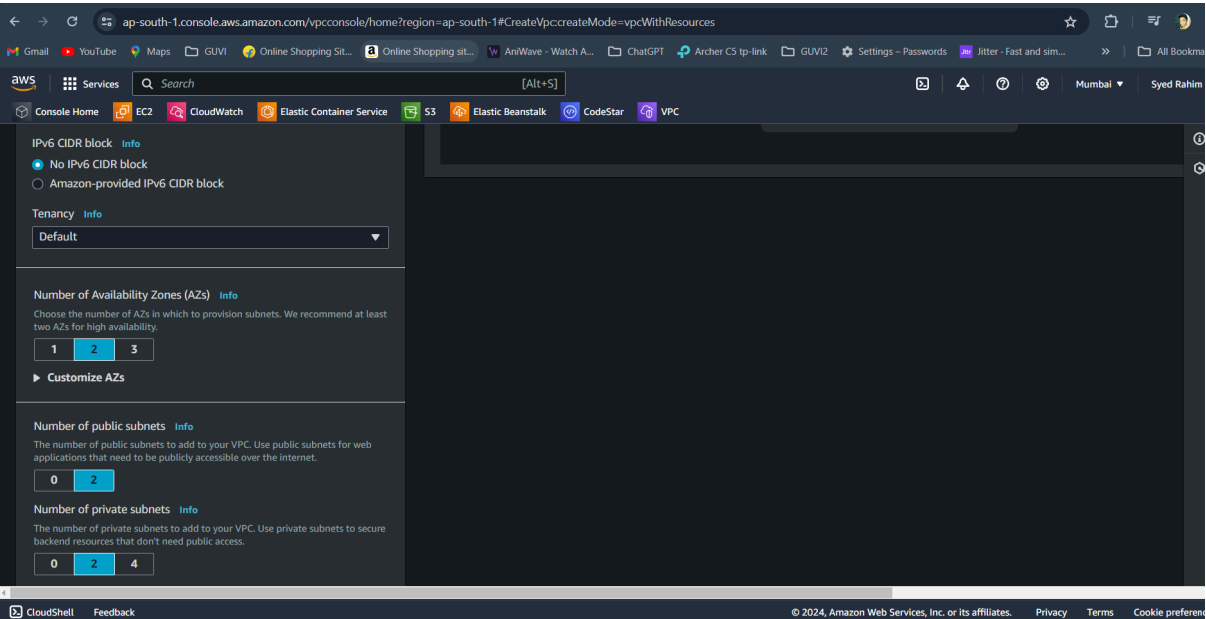
Set up a VPC with an Internet gateway, create a public subnet, a private subnet make a route table connecting the Internet gateway and the subnets, and launch a Linux EC2 instance by using the above vpc and public subnet.

## Step 1: Click on Create VPC



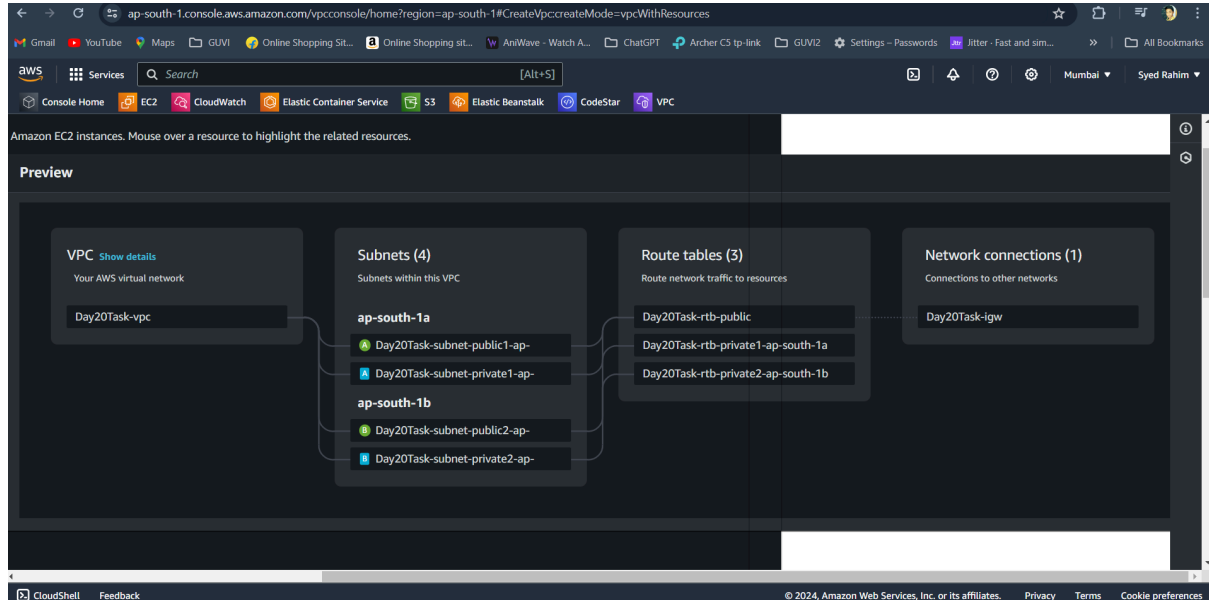
## Step 2: Select VPC and more (As it gives you preview of what you are creating)



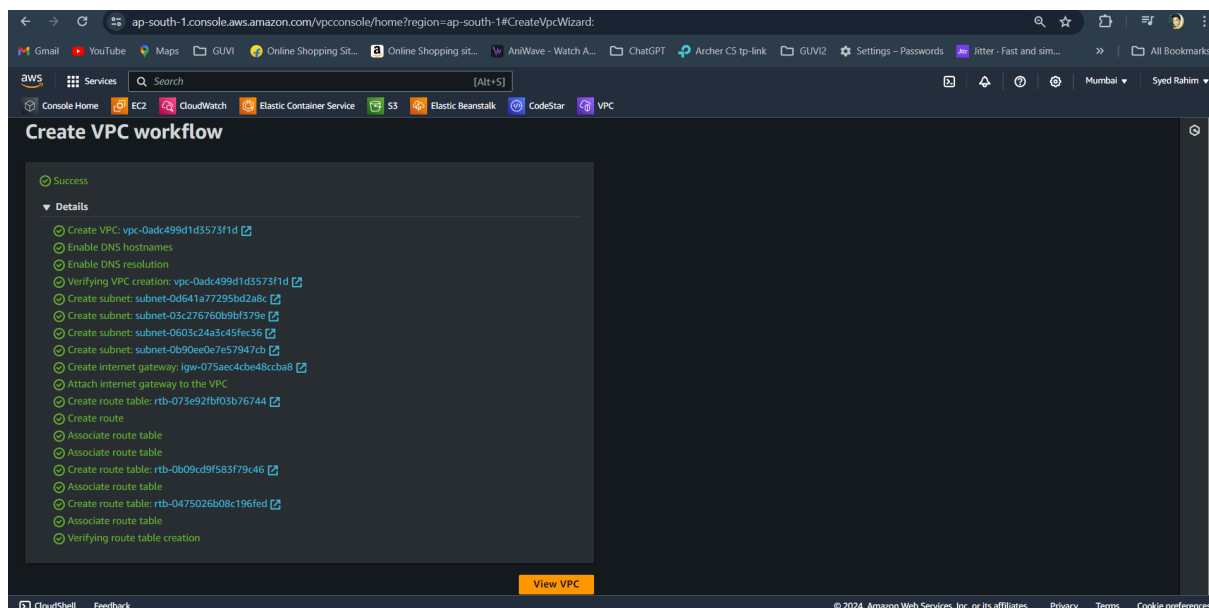


**Step 3:** After filling the info/selecting the options/info Click “Create VPC”

The Preview:



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



## My VPC:

The screenshot displays the AWS Management Console interface for a VPC. The left sidebar shows the 'VPC dashboard' with a filter for 'Your VPCs'. The main content area shows the details for the VPC 'vpc-0adc499d1d3573f1d / Day20Task-vpc'. The 'Details' tab is active, showing the VPC ID, State (Available), DNS hostnames (Enabled), and DNS resolution (Enabled). The 'Resource map' tab is also visible, showing a diagram of the VPC resources including subnets, route tables, and network connections.

**VPC details:**

- VPC ID: vpc-0adc499d1d3573f1d
- State: Available
- DNS hostnames: Enabled
- DNS resolution: Enabled
- Main route table: rtb-0e5901b85c12a7338
- IPv6 pool: -
- Owner ID: 704721325218

**Resource map:**

- VPC: Day20Task-vpc
- Subnets (4): ap-south-1a, ap-south-1b, Day20Task-subnet-public1-ap-south-1a, Day20Task-subnet-private1-ap-south-1a
- Route tables (4): Day20Task-rtb-private1-ap-south-1a, Day20Task-rtb-private2-ap-south-1b, Day20Task-rtb-public, rtb-0e5901b85c12a7338
- Network connections (1): Day20Task-igw

## My Private and Public Subnets:

The screenshot displays the AWS Management Console interface for subnets. The left sidebar shows the 'VPC dashboard' with a filter for 'Your VPCs'. The main content area shows the details for the subnets within the VPC 'vpc-0adc499d1d3573f1d / Day20Task-vpc'. The 'Subnets (4/7)' tab is active, showing a list of subnets with their names, IDs, states, VPCs, and IPv4 CIDRs.

**Subnet details:**

Name	Subnet ID	State	VPC	IPv4 CIDR	IP
Day20Task-subnet-public2-ap-south-1b	subnet-03c276760b9bf379e	Available	vpc-0adc499d1d3573f1d   Day...	10.0.16.0/20	-
-	subnet-0dd90d37408975212	Available	vpc-07ea6b3e086599a50	172.31.32.0/20	-
Day20Task-subnet-private2-ap-south-1b	subnet-0b90ee0e7e57947cb	Available	vpc-0adc499d1d3573f1d   Day...	10.0.144.0/20	-
Day20Task-subnet-private1-ap-south-1a	subnet-0603c24a3c45fec36	Available	vpc-0adc499d1d3573f1d   Day...	10.0.128.0/20	-
Day20Task-subnet-public1-ap-south-1a	subnet-0d641a77295bd2a8c	Available	vpc-0adc499d1d3573f1d   Day...	10.0.0.0/20	-
-	subnet-09c5209cd60993c5b	Available	vpc-07ea6b3e086599a50	172.31.16.0/20	-
-	subnet-05214c0d41f532b12	Available	vpc-07ea6b3e086599a50	172.31.0.0/20	-

Subnets: subnet-03c276760b9bf379e, subnet-0b90ee0e7e57947cb, subnet-0603c24a3c45fec36, subnet-0d641a77295bd2a8c

## My Private and Public Route table:

The screenshot shows the AWS VPC console for the region 'ap-south-1'. The 'Route tables (3/5)' page is displayed, showing a list of route tables. The left sidebar contains the 'VPC dashboard' and 'Virtual private cloud' sections. The main content area shows a table of route tables with columns: Name, Route table ID, Explicit subnet associations, Edge associations, Main, and VPC.

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
Day20Task-rtb-private1-ap-south-1a	rtb-0b09cd9f583f79c46	subnet-0603c24a3c45fec...	-	No	vpc-0adc499d1d3573f1d   Day20Task-vpc
Day20Task-rtb-private2-ap-south-1b	rtb-0475026b08c196fed	subnet-0b90ee0e7e5794...	-	No	vpc-0adc499d1d3573f1d   Day20Task-vpc
Day20Task-rtb-public	rtb-073e92fbf03b76744	2 subnets	-	No	vpc-0adc499d1d3573f1d   Day20Task-vpc
-	rtb-0e5901b85c12a7338	-	-	Yes	vpc-0adc499d1d3573f1d   Day20Task-vpc
-	rtb-07dc0ad3a033945eb	-	-	Yes	vpc-07ea6b3e086599a50   Day20Task-vpc

Route tables: rtb-0b09cd9f583f79c46, rtb-0475026b08c196fed, rtb-073e92fbf03b76744

## My Internet gateways:

The screenshot shows the AWS VPC console for the region 'ap-south-1'. The 'Internet gateways (1/2)' page is displayed, showing a list of internet gateways. The left sidebar contains the 'VPC dashboard' and 'Virtual private cloud' sections. The main content area shows a table of internet gateways with columns: Name, Internet gateway ID, State, VPC ID, and Owner.

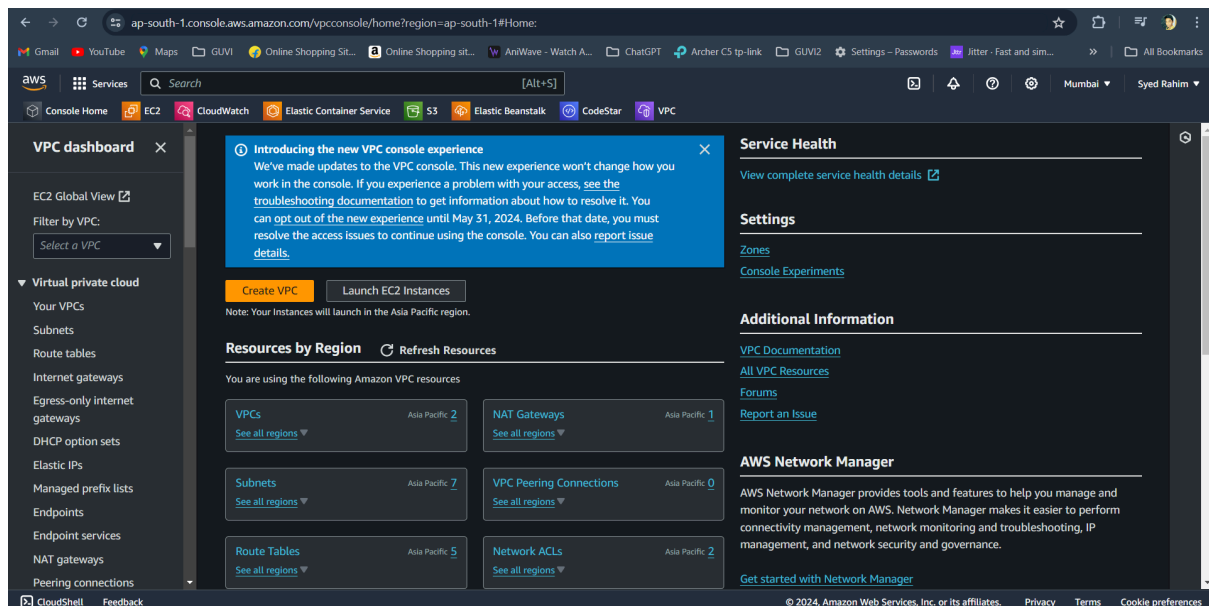
Name	Internet gateway ID	State	VPC ID	Owner
-	igw-01fbfc00d09c51662	Attached	vpc-07ea6b3e086599a50	704721325218
Day20Task-igw	igw-075aec4cbe48ccba8	Attached	vpc-0adc499d1d3573f1d   Day20Task-vpc	704721325218

igw-075aec4cbe48ccba8 / Day20Task-igw

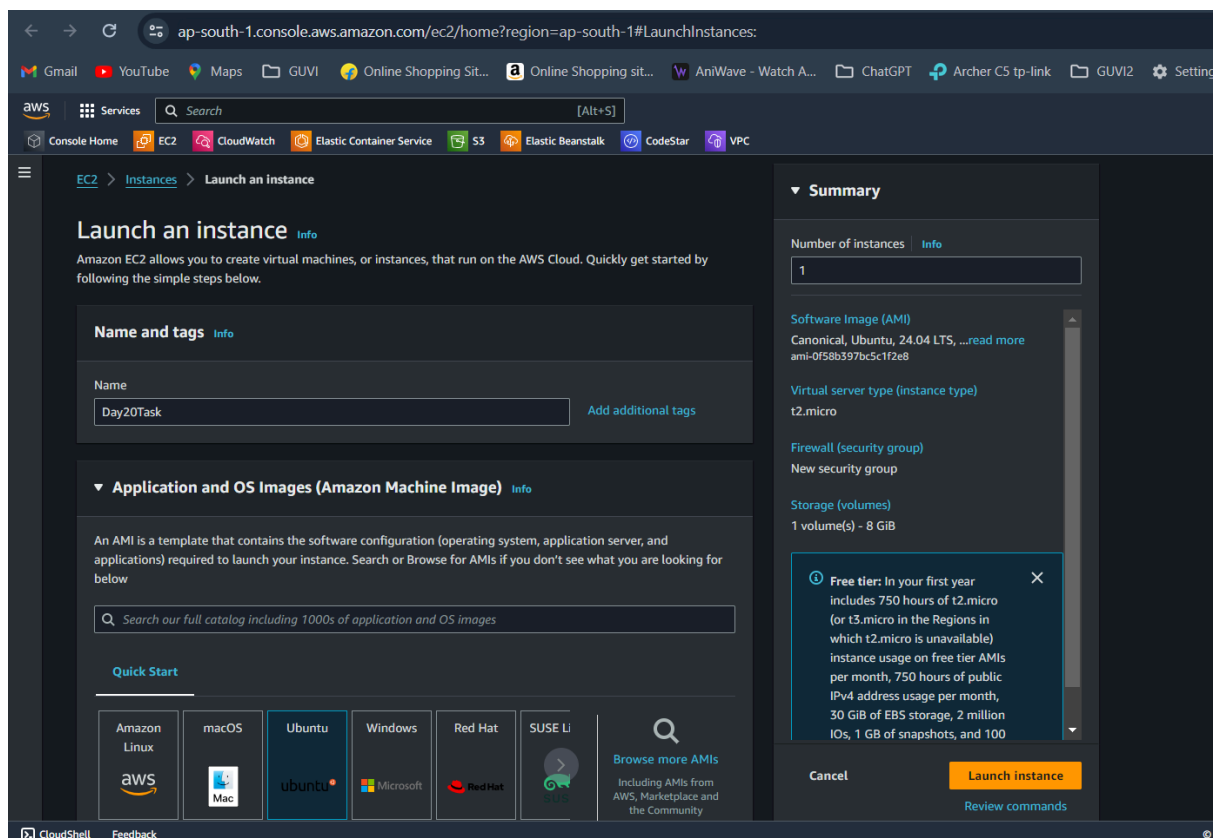
**Details**

Internet gateway ID	State	VPC ID	Owner
igw-075aec4cbe48ccba8	Attached	vpc-0adc499d1d3573f1d   Day20Task-vpc	704721325218

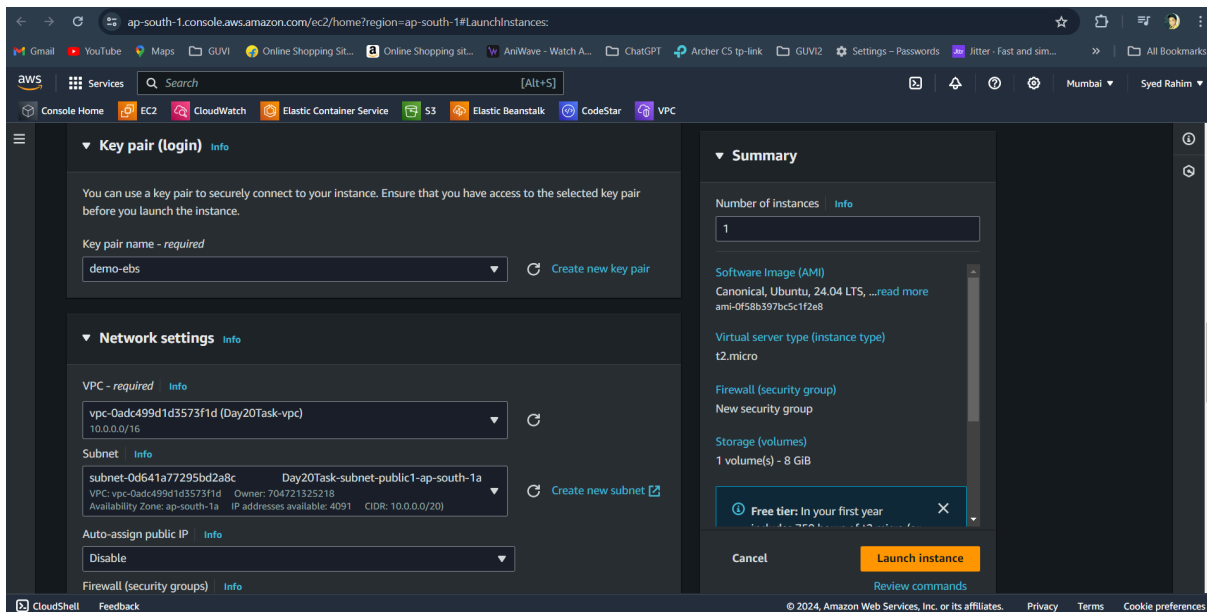
## Step 5: Click on Launch EC2 Instances



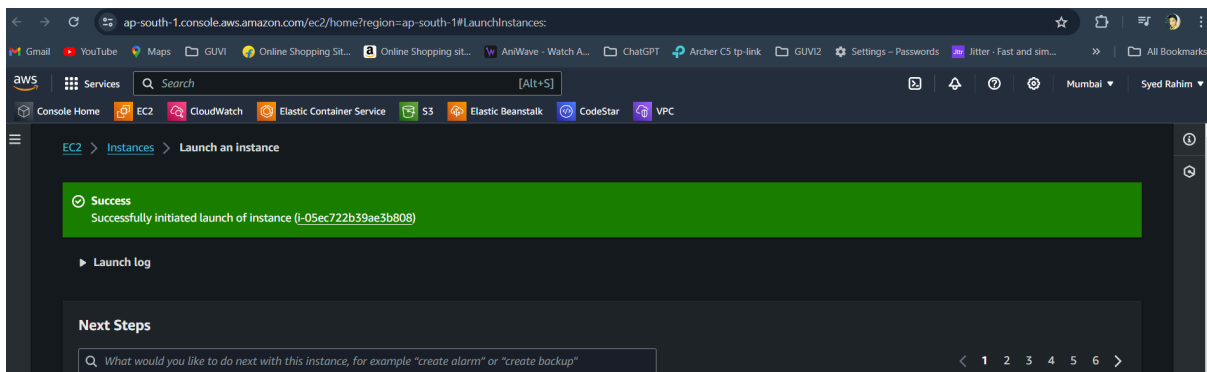
## Step 6: Select the select and filling the following



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



Instance launched Successfully



Done.