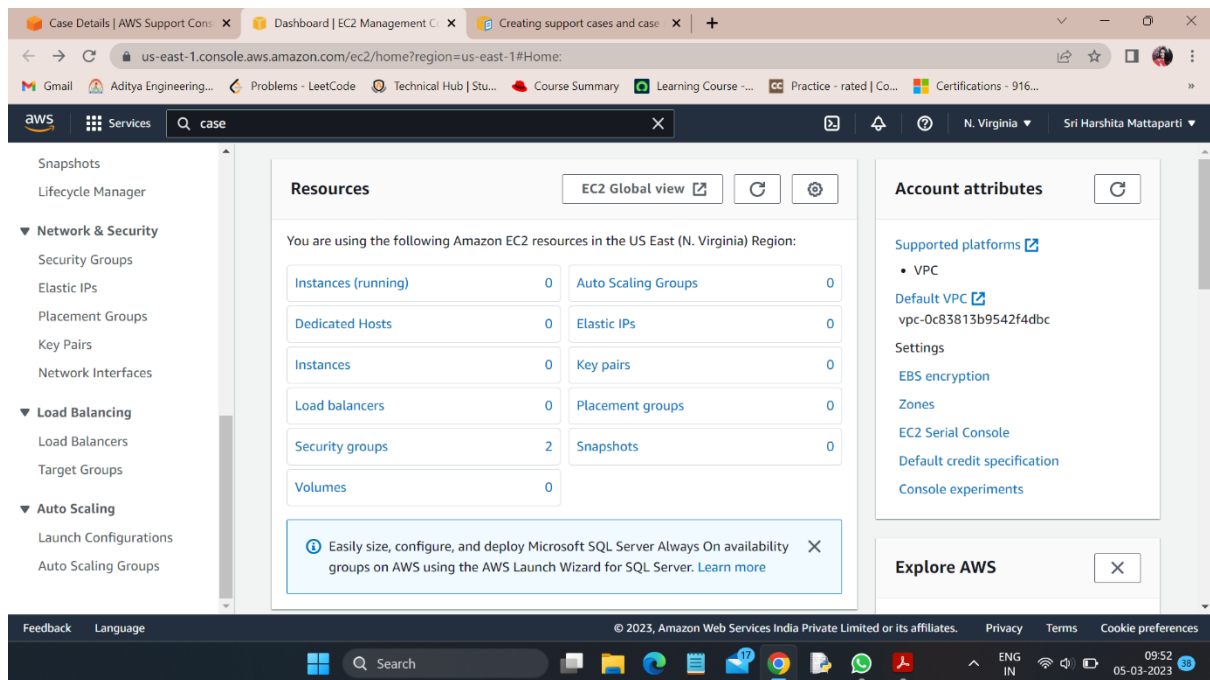
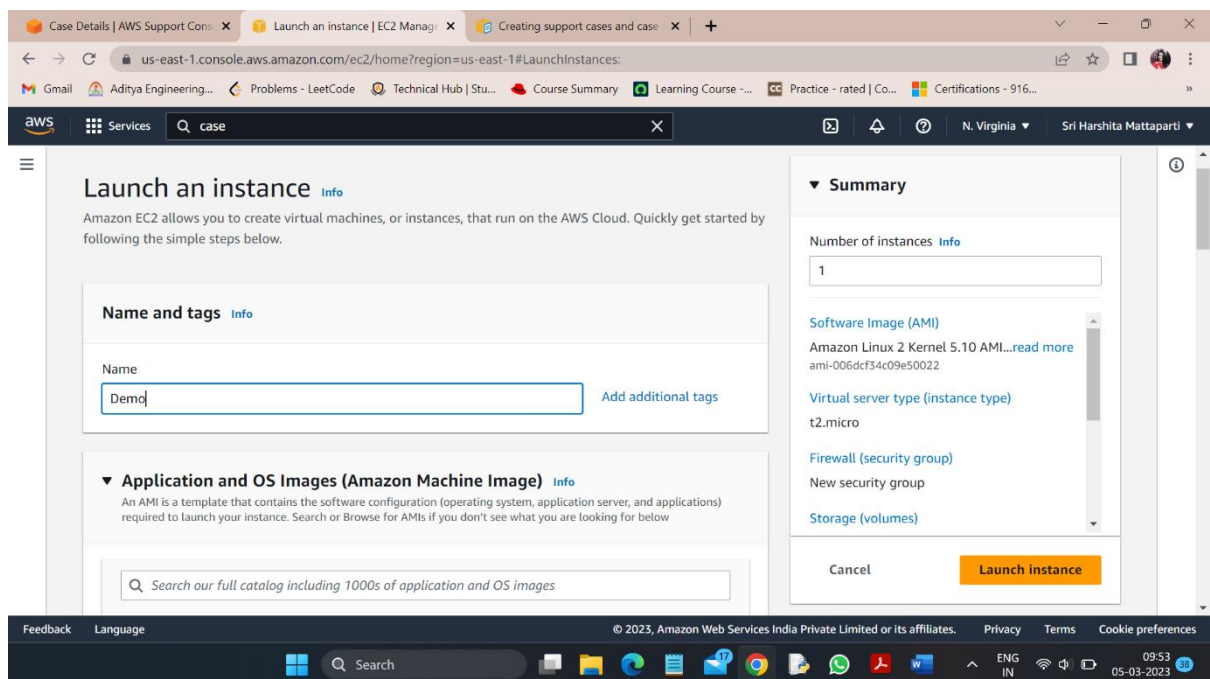


ROLL NO: 20A91A05A4

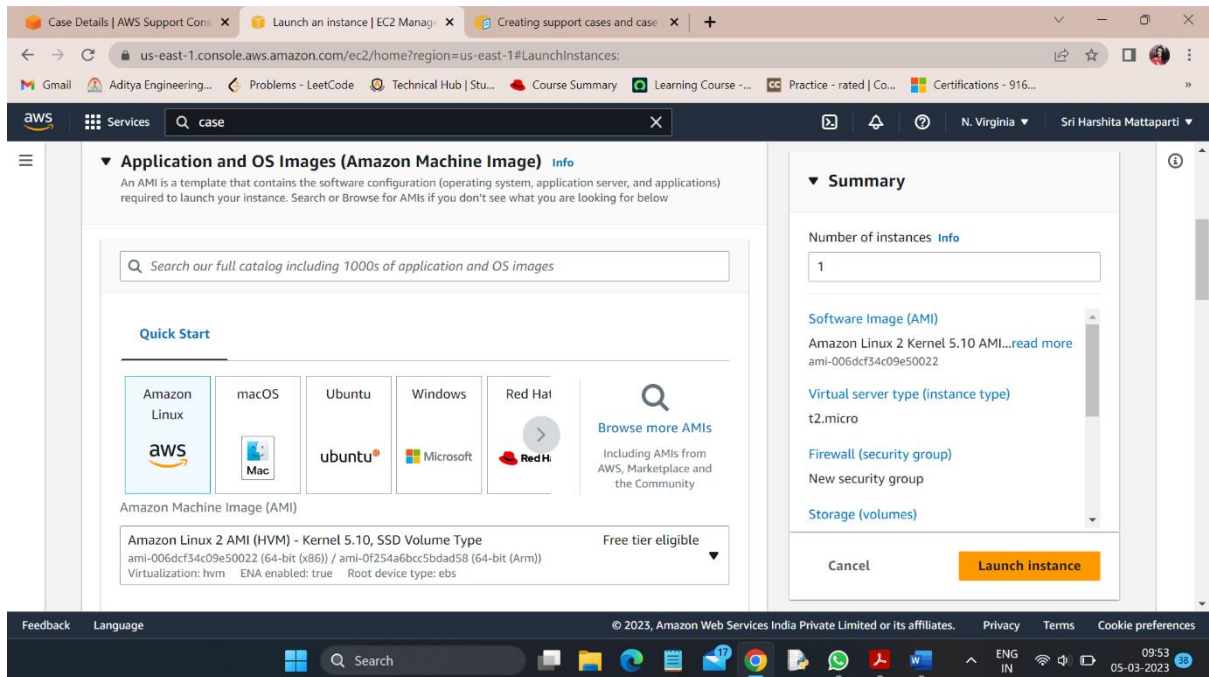
1. EC2 Instance Launch Page.



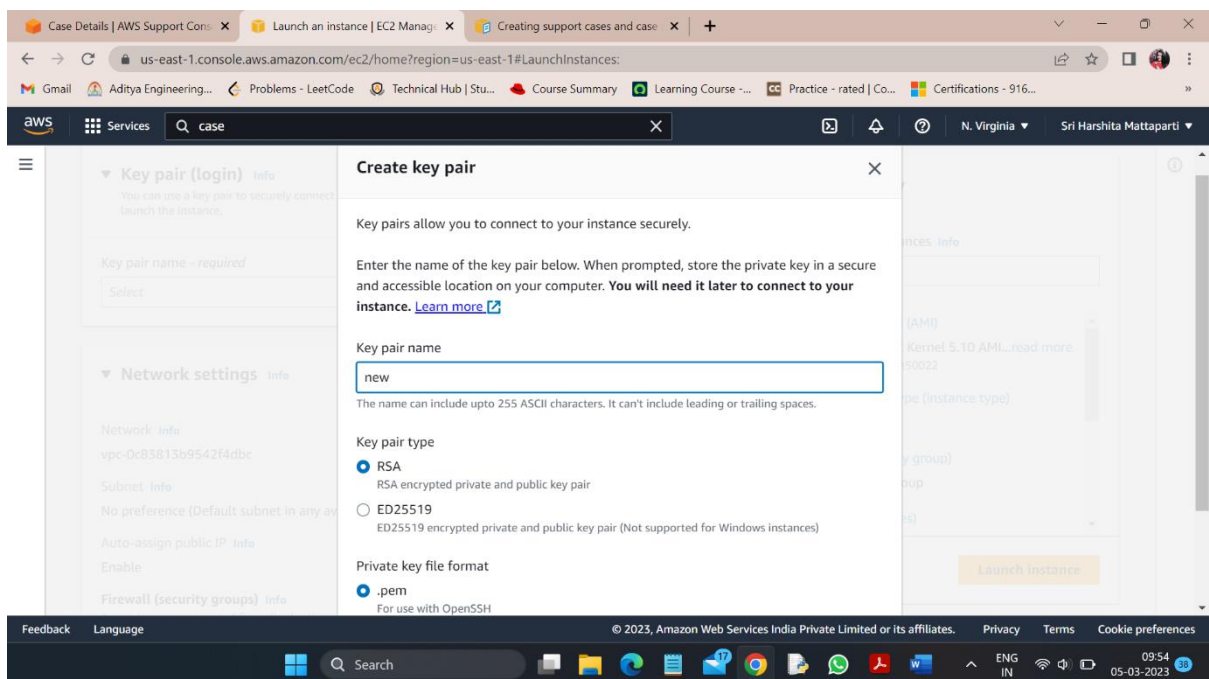
2. EC2 Name and Tag Creation.



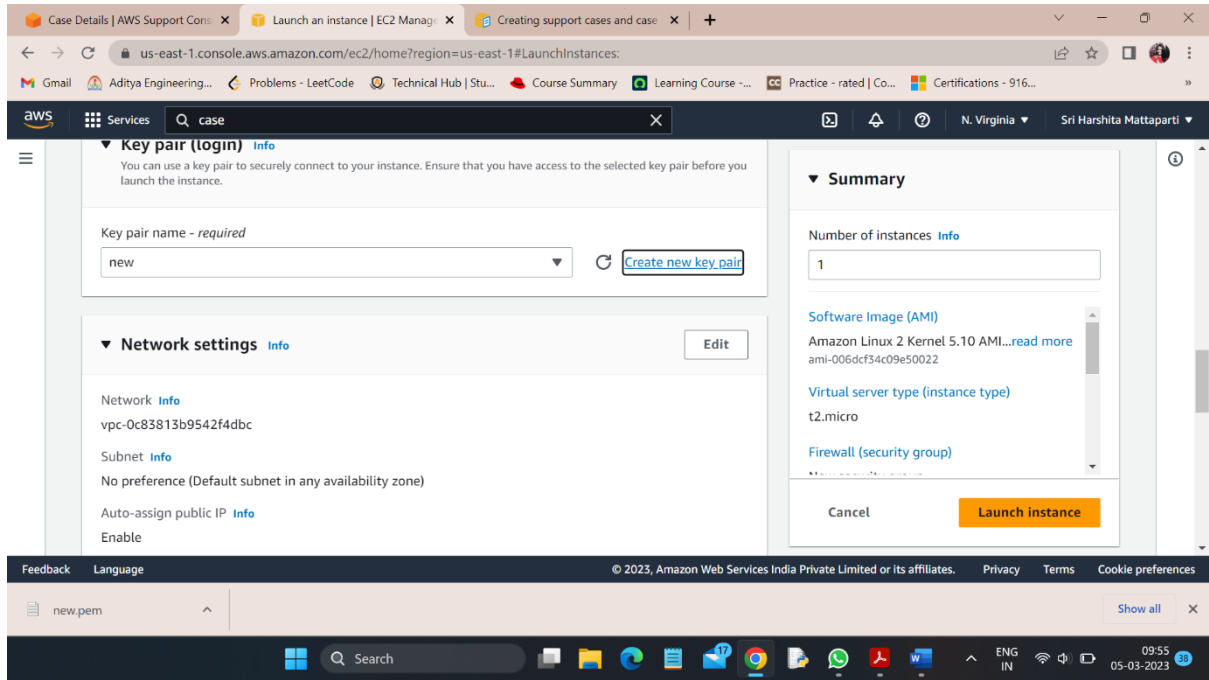
3. EC2 AMI Selection.



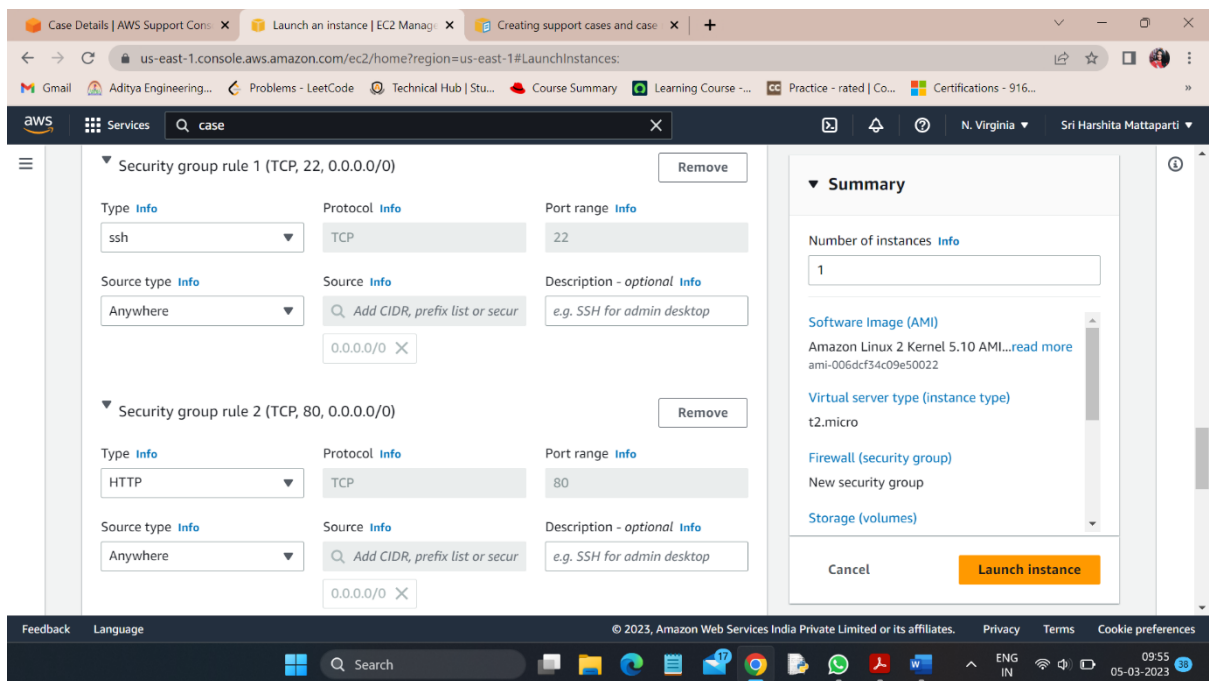
4. EC2 Key Pair Creation

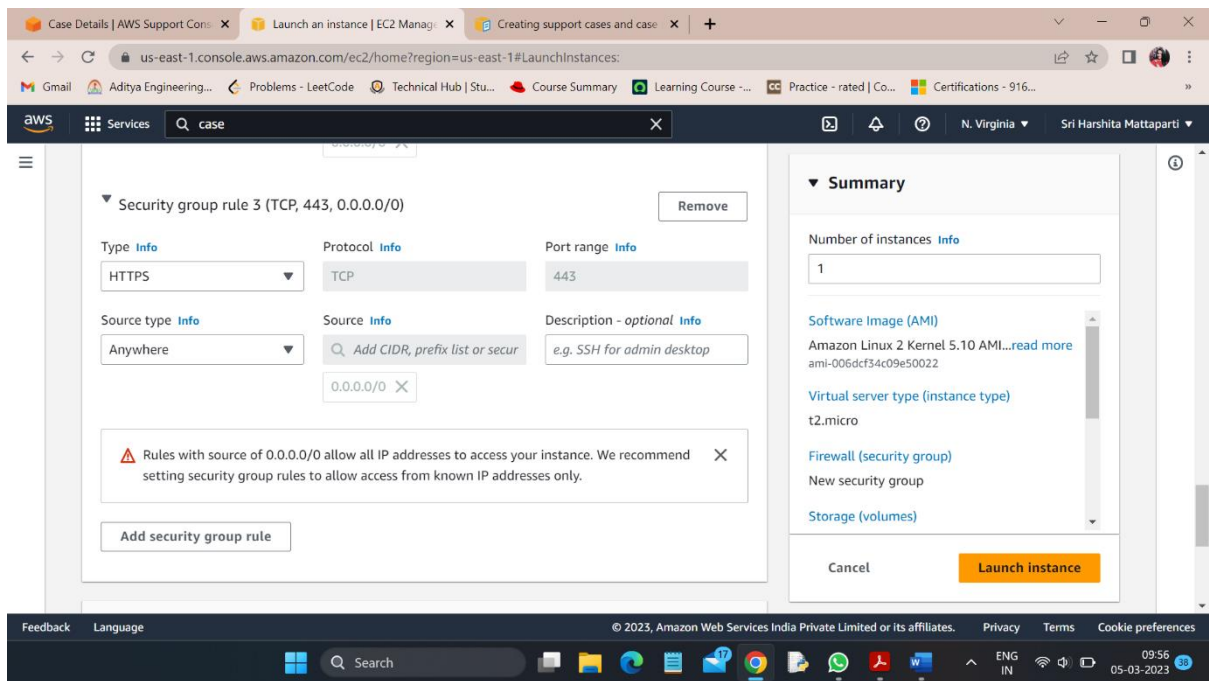


5. EC2 VPC and Subnet Selection

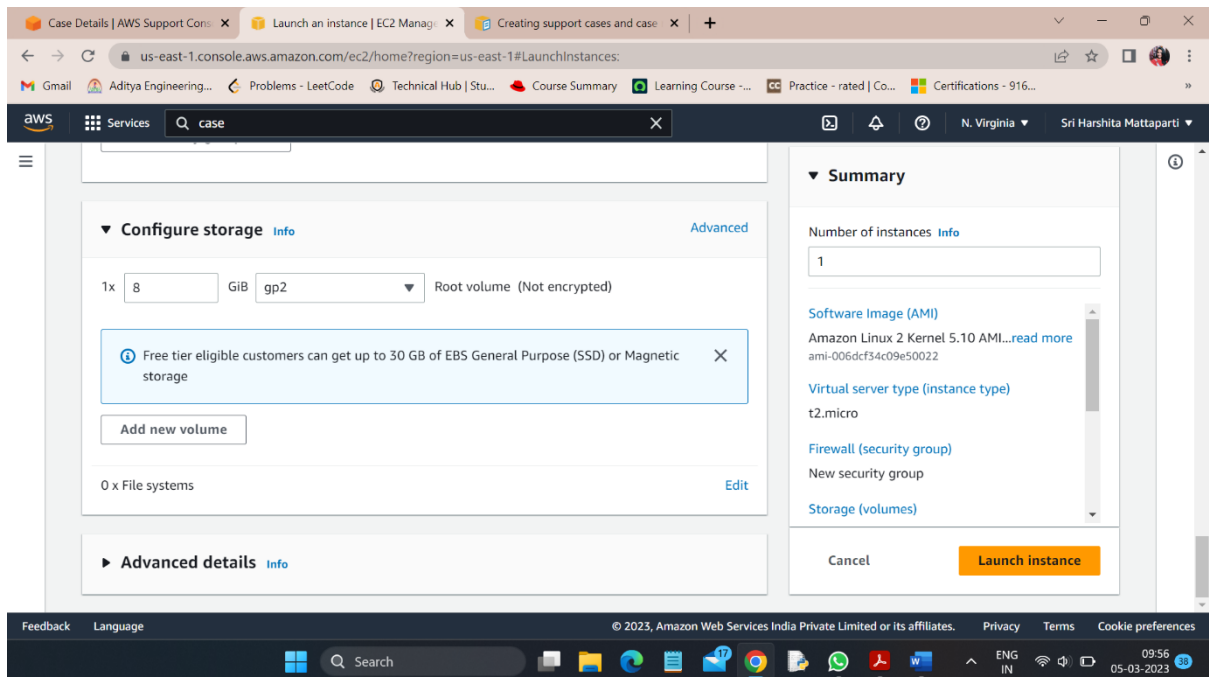


6. EC2 Security Group Creation (SSH, HTTP, HTTPS).



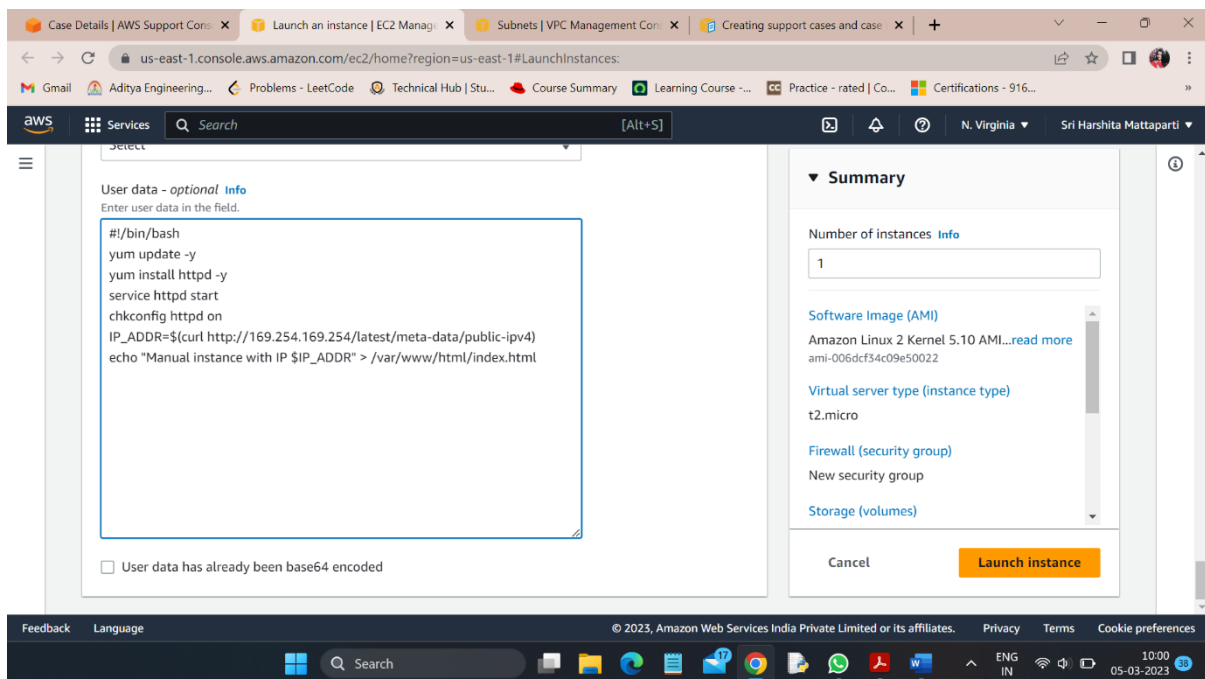


7. EC2 EBS Volume Selection.

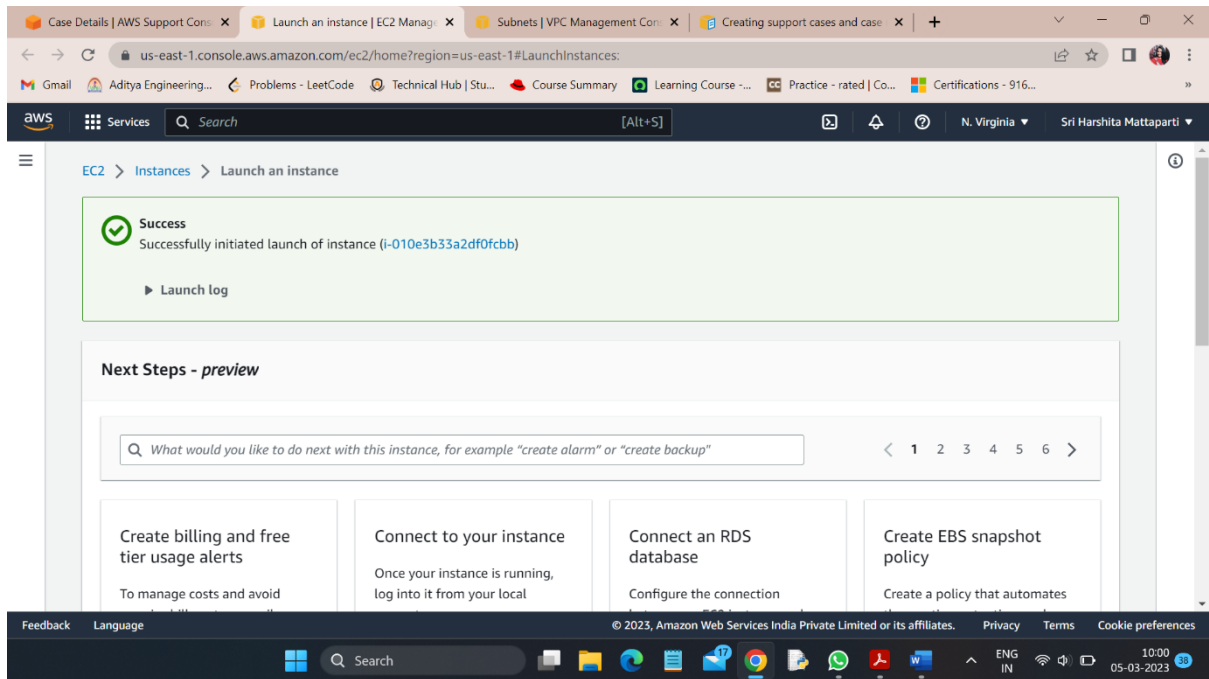


8. User Data Insertion Page with below command

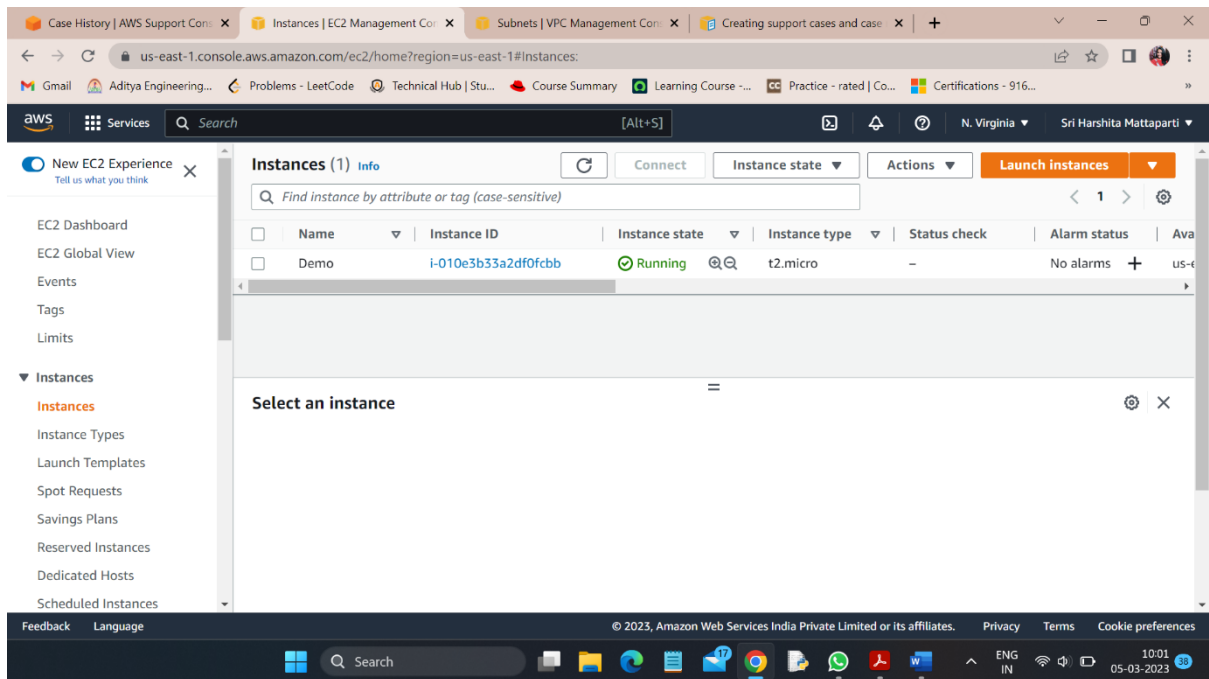
```
#!/bin/bash
yum update -y
yum install httpd -y
service httpd start
chkconfig httpd on
IP_ADDR=$(curl http://169.254.169.254/latest/meta-data/public-ipv4)
echo "Manual instance with IP $IP_ADDR" > /var/www/html/index.html
```



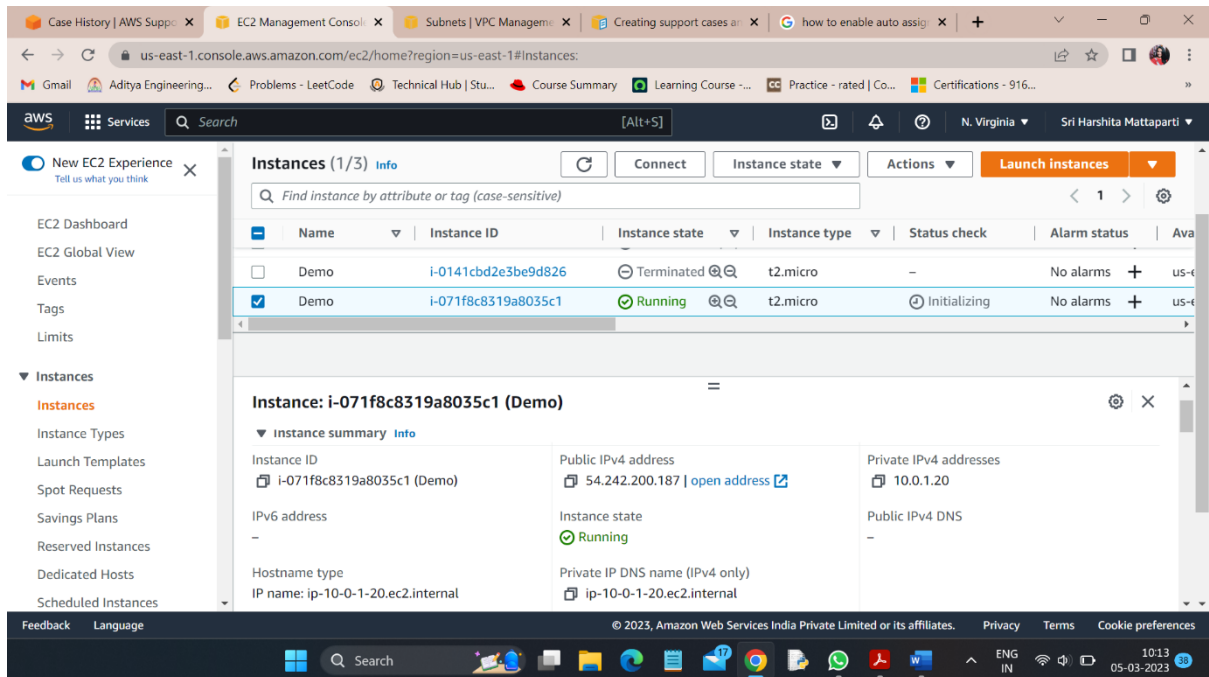
9. EC2 Launch Logs



10. EC2 Instance Running State.



11. EC2 Summary Page with Public and Private IP.



The screenshot displays the AWS Management Console's EC2 Instances page. The left sidebar shows the navigation menu with options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and Instances. The main content area shows a list of instances under the heading 'Instances (1/3)'. Two instances are listed: 'Demo' (Terminated) and 'Demo' (Running). The 'Demo' instance details are expanded, showing its Instance ID (i-071f8c8319a8035c1), Instance type (t2.micro), and various IP addresses (Public IPv4, Private IPv4, and Private IP DNS).

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Demo	i-0141cbd2e3be9d826	Terminated	t2.micro	-	No alarms	us-east-1a
Demo	i-071f8c8319a8035c1	Running	t2.micro	Initializing	No alarms	us-east-1a

Instance: i-071f8c8319a8035c1 (Demo)

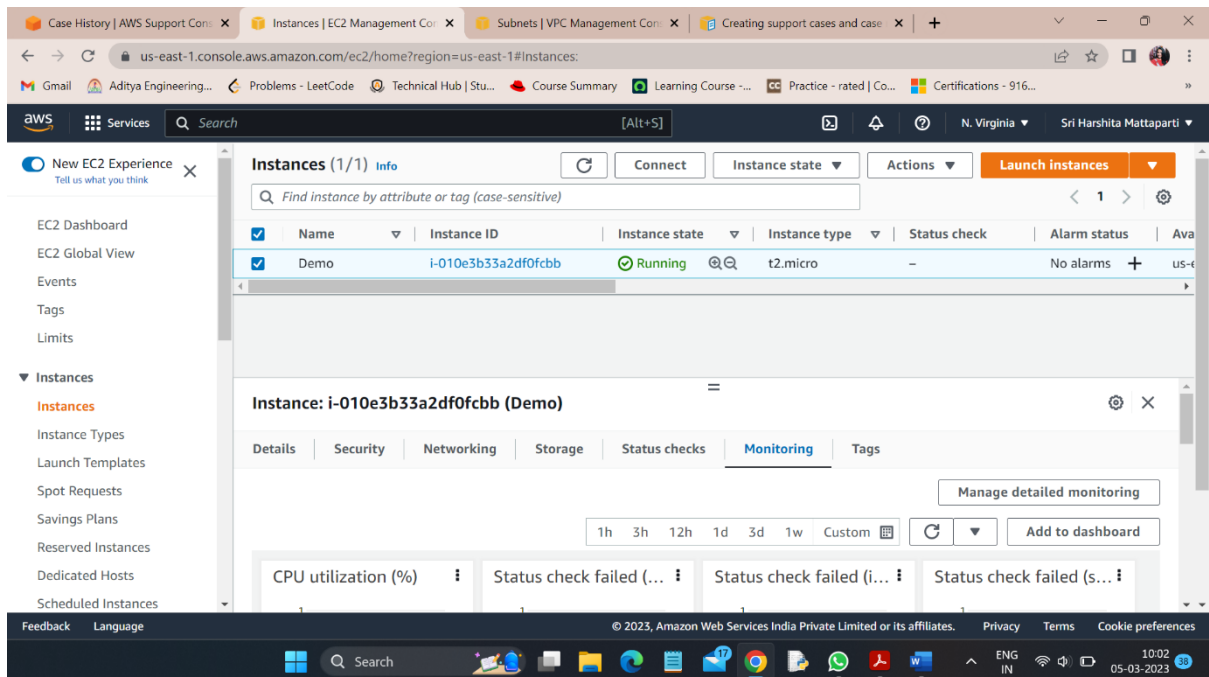
Instance ID	Public IPv4 address	Private IPv4 addresses
i-071f8c8319a8035c1 (Demo)	54.242.200.187 open address	10.0.1.20

Instance state: Running

Public IPv4 DNS: -

Private IP DNS name (IPv4 only): ip-10-0-1-20.ec2.internal

12. EC2 Instance Monitoring Page.



The screenshot displays the AWS Management Console's EC2 Instance Monitoring page. The left sidebar shows the navigation menu with options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and Instances. The main content area shows a list of instances under the heading 'Instances (1/1)'. One instance is listed: 'Demo' (Running). The 'Demo' instance details are expanded, showing its Instance ID (i-010e3b33a2df0fcbb) and the 'Monitoring' tab, which displays CPU utilization and status check results.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Demo	i-010e3b33a2df0fcbb	Running	t2.micro	-	No alarms	us-east-1a

Instance: i-010e3b33a2df0fcbb (Demo)

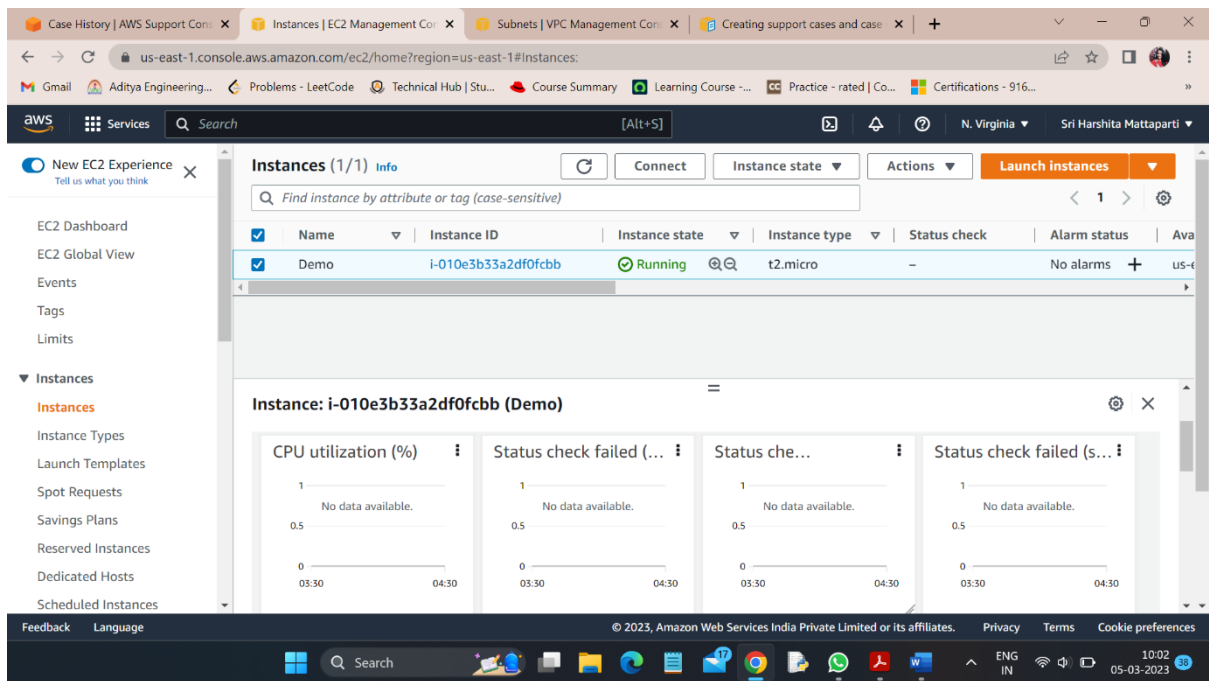
Monitoring

CPU utilization (%): 1h 3h 12h 1d 3d 1w Custom

Status check failed (...): 1h 3h 12h 1d 3d 1w Custom

Status check failed (i...): 1h 3h 12h 1d 3d 1w Custom

Status check failed (s...): 1h 3h 12h 1d 3d 1w Custom



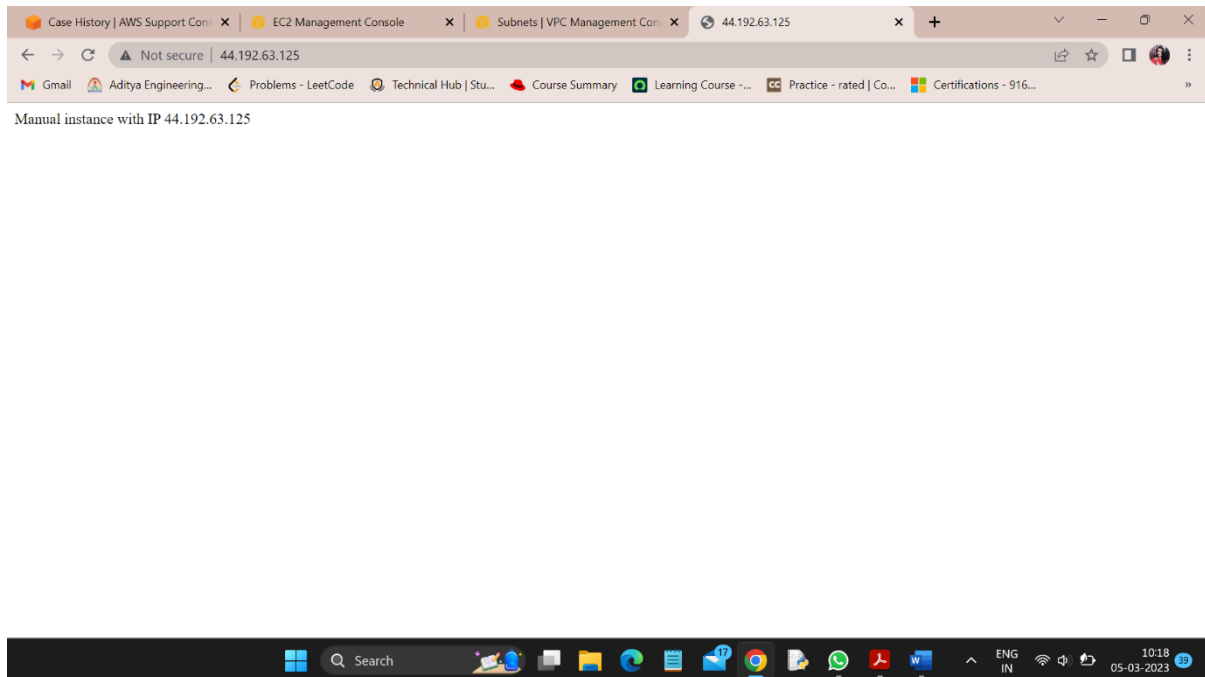
13. SSH Access of EC2 instance in Local Machine.

```
C:\Users\HARSHITA\Downloads>ssh -i "new.pem" ec2-user@ec2-100-25-129-179.compute-1.amazonaws.com
Last login: Sun Mar  5 08:11:40 2023 from ec2-18-206-107-27.compute-1.amazonaws.com

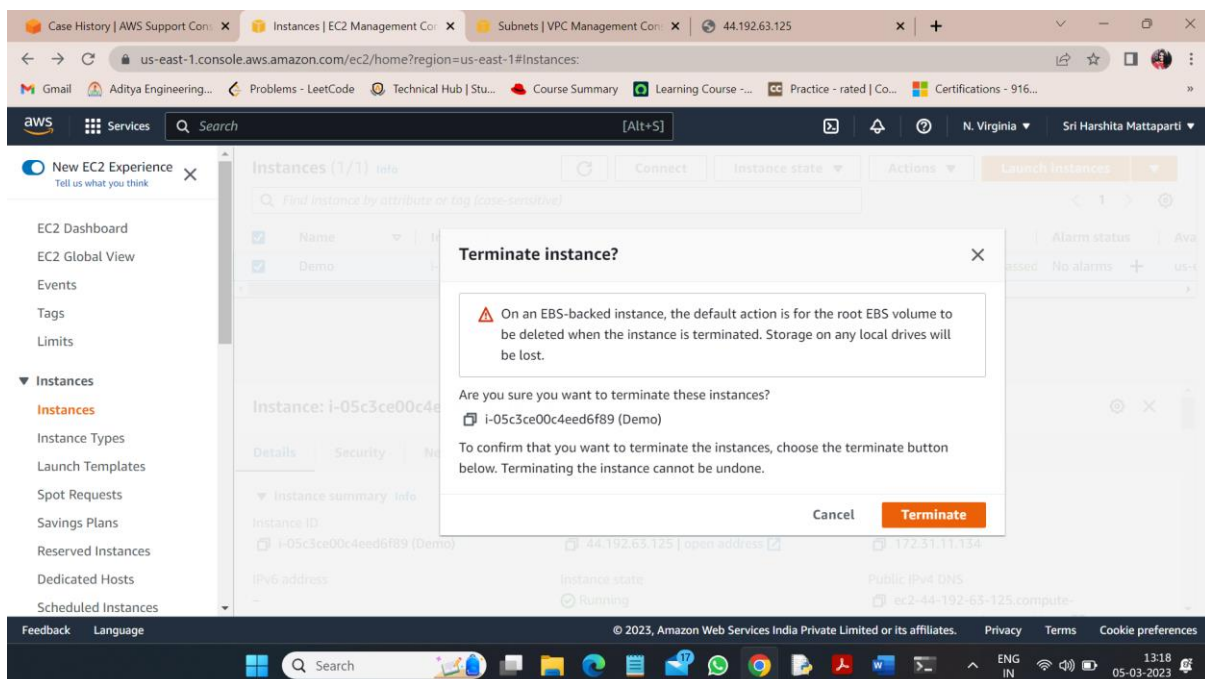
  __|  __|_  )
 _| (  /   Amazon Linux 2 AMI
---|\\_\\_\\_

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-55-126 ~]$
```


14. Browsing EC2 instance in the Browser Local Machine.



15. Terminating the Resource.



Case History | AWS Support Con...Instances | EC2 Management Co...Subnets | VPC Management Con...44.192.63.125

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

GmailAditya Engineering...Problems - LeetCodeTechnical Hub | Stu...Course SummaryLearning Course - ...Practice - rated | Co...Certifications - 916...

awsServicesSearch[Alt+S]

New EC2 ExperienceTell us what you think

EC2 DashboardEC2 Global ViewEventsTagsLimits

InstancesInstancesInstance TypesLaunch TemplatesSpot RequestsSavings PlansReserved InstancesDedicated HostsScheduled Instances

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Ava
<input checked="" type="checkbox"/>	Demo	i-05c3ce00c4eed6f89	Terminated	t2.micro	2/2 checks passed	No alarms	us-t

Instance: i-05c3ce00c4eed6f89 (Demo)

DetailsSecurityNetworkingStorageStatus checksMonitoringTags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-05c3ce00c4eed6f89 (Demo)	44.192.63.125 open address	-
IPv6 address	Instance state	Public IPv4 DNS
-	Shutting-down	-

FeedbackLanguage

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13:2005-03-2023