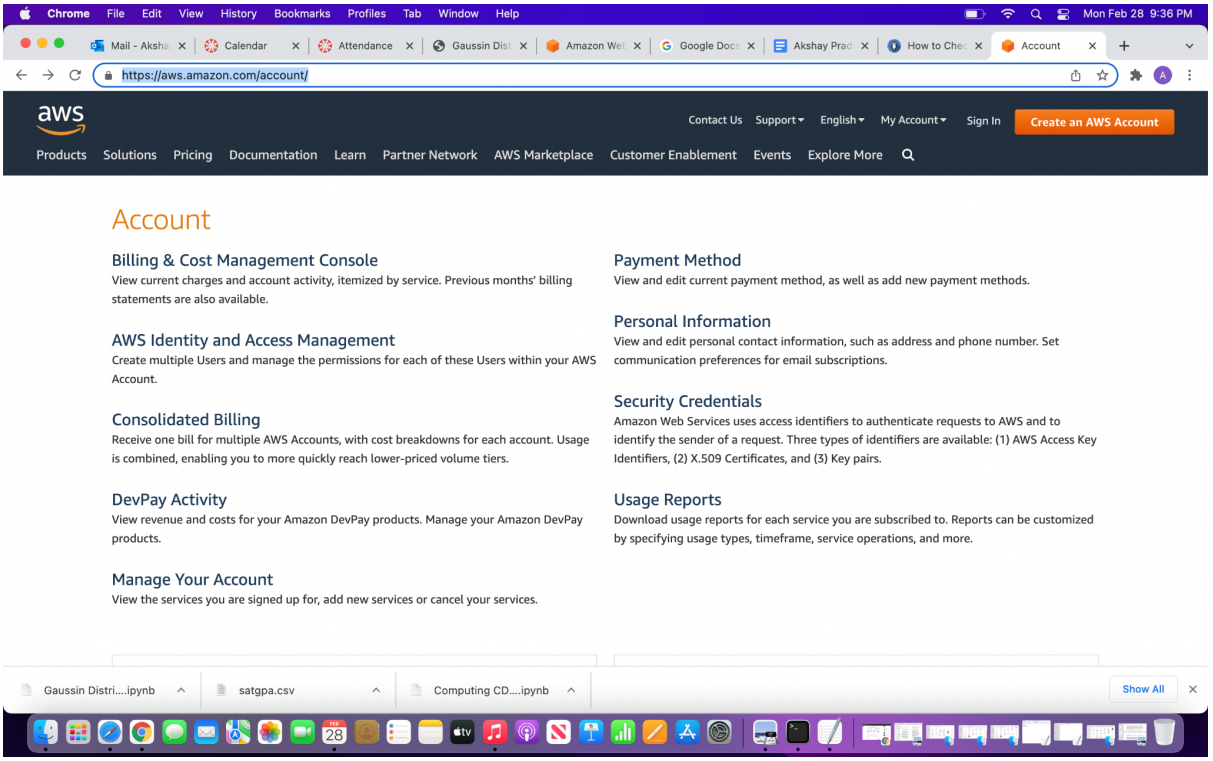
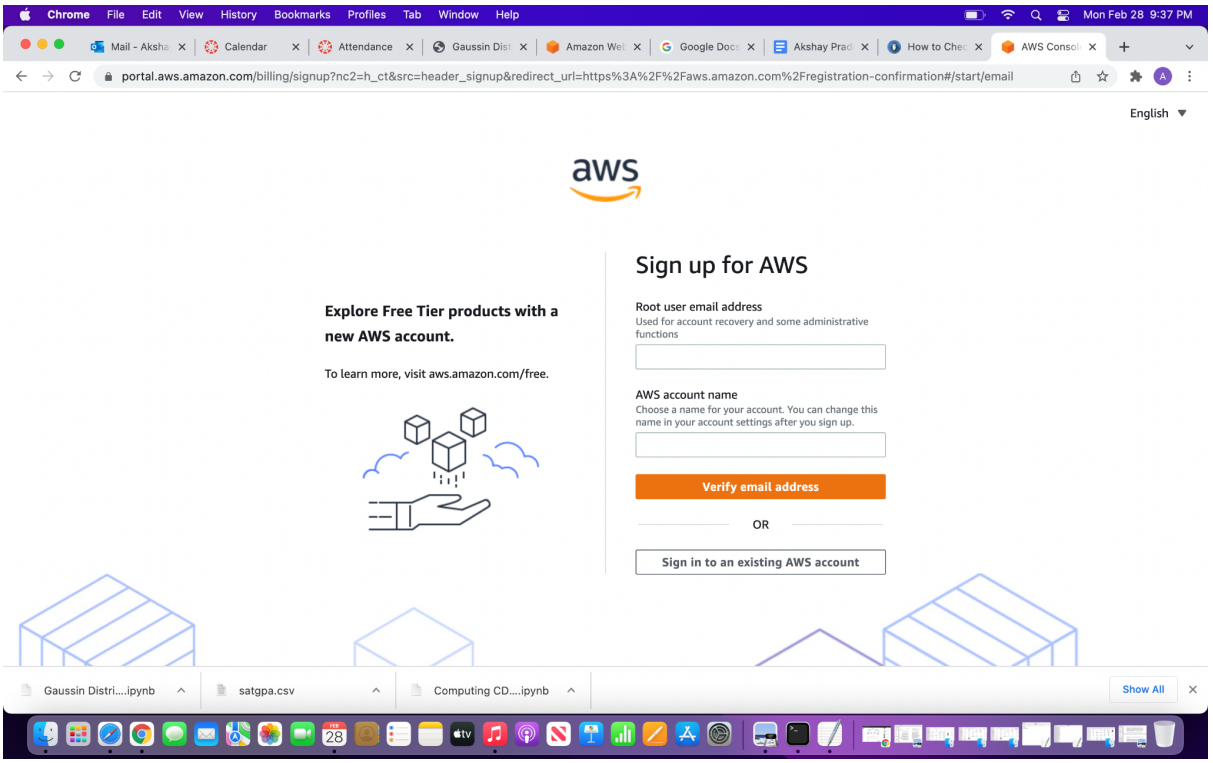
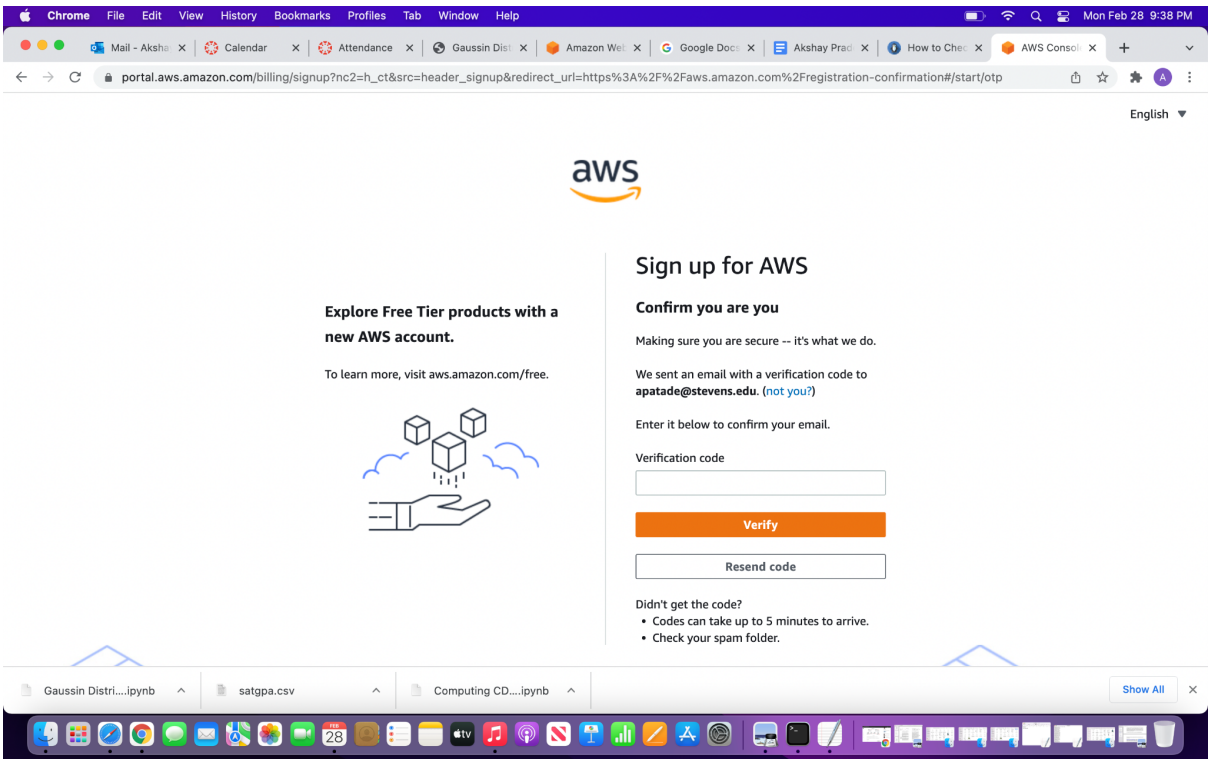
Setting up an account:

1. Go to https://aws.amazon.com/account/ and select create an AWS account.

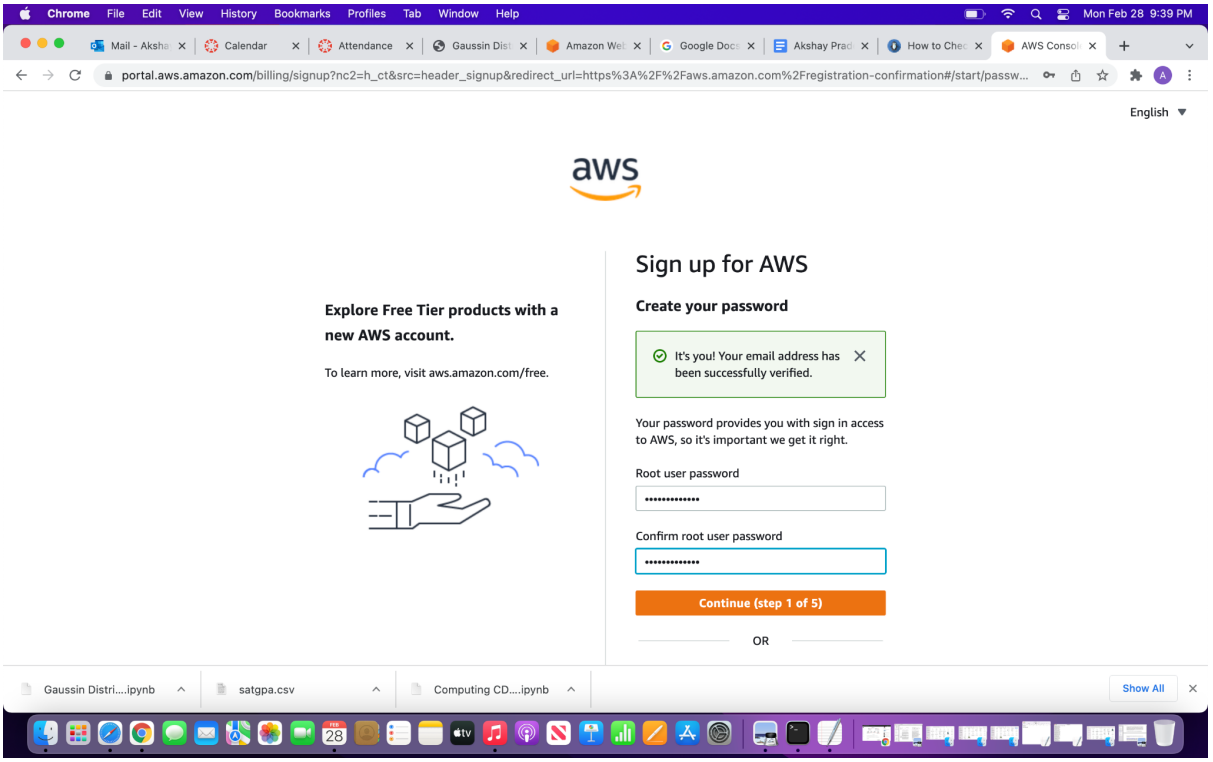


2. Enter your email id and set the username. Once you have entered the details it will ask for the verification of the email id. Enter the code.

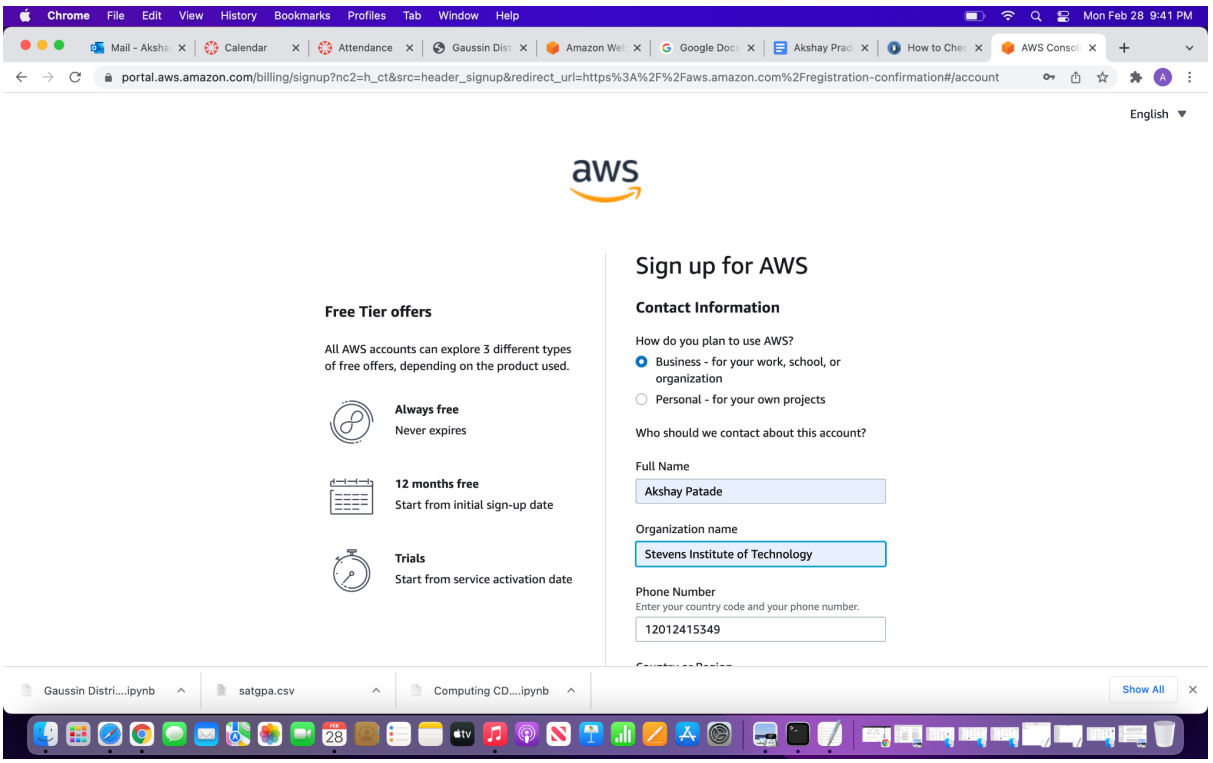




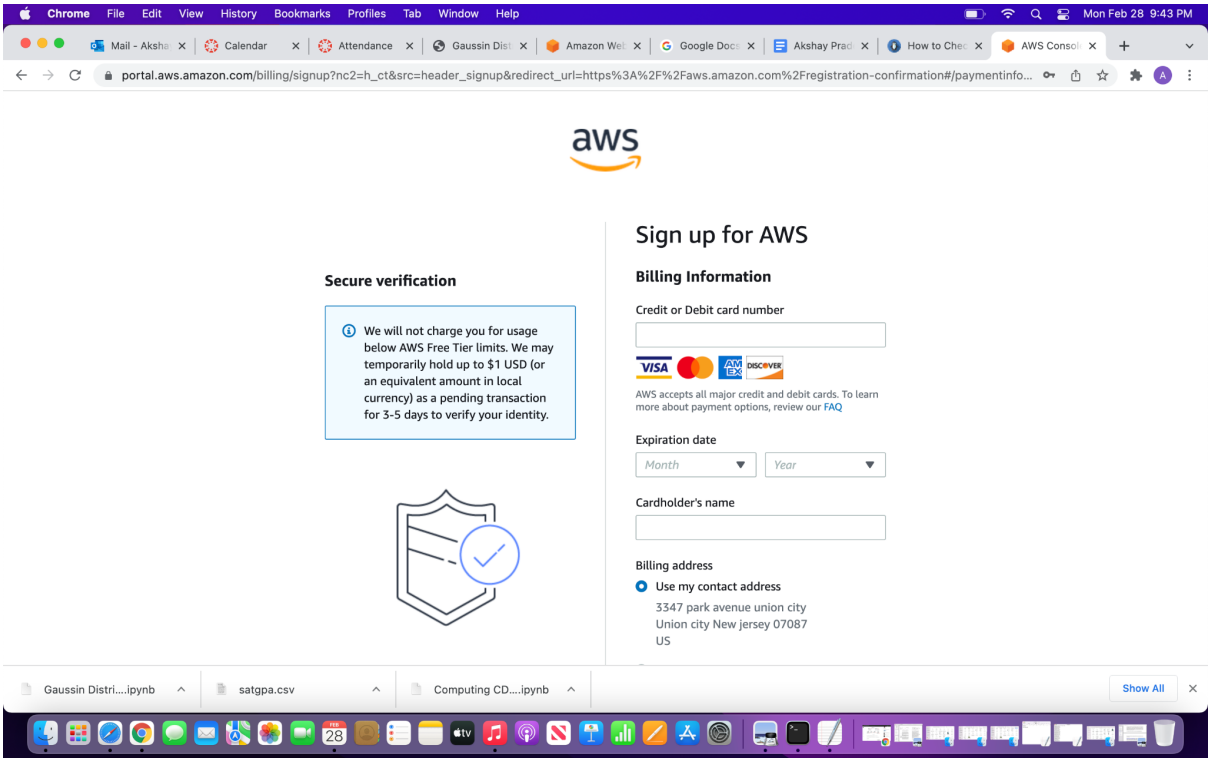
3. Once the code is verified it will ask for creating a password. Click on continue.



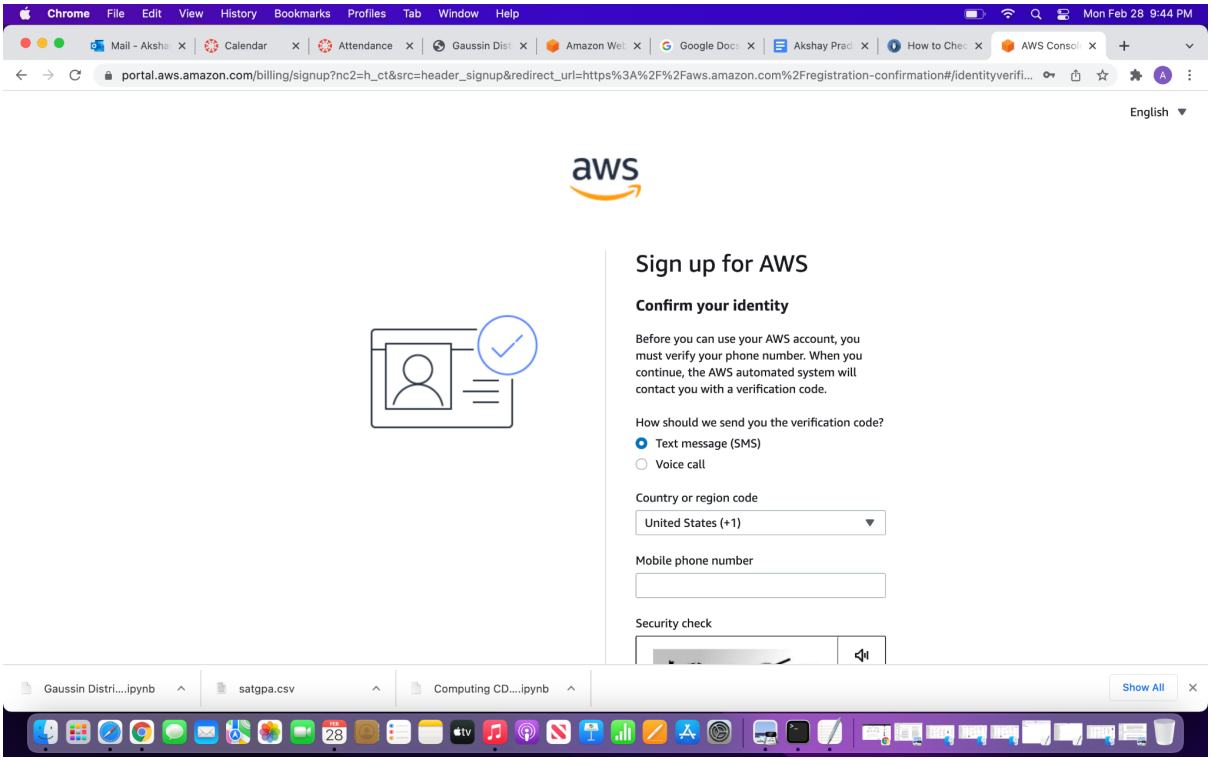
4. After that it will ask for personal information. Fill in the personal information and click continue.

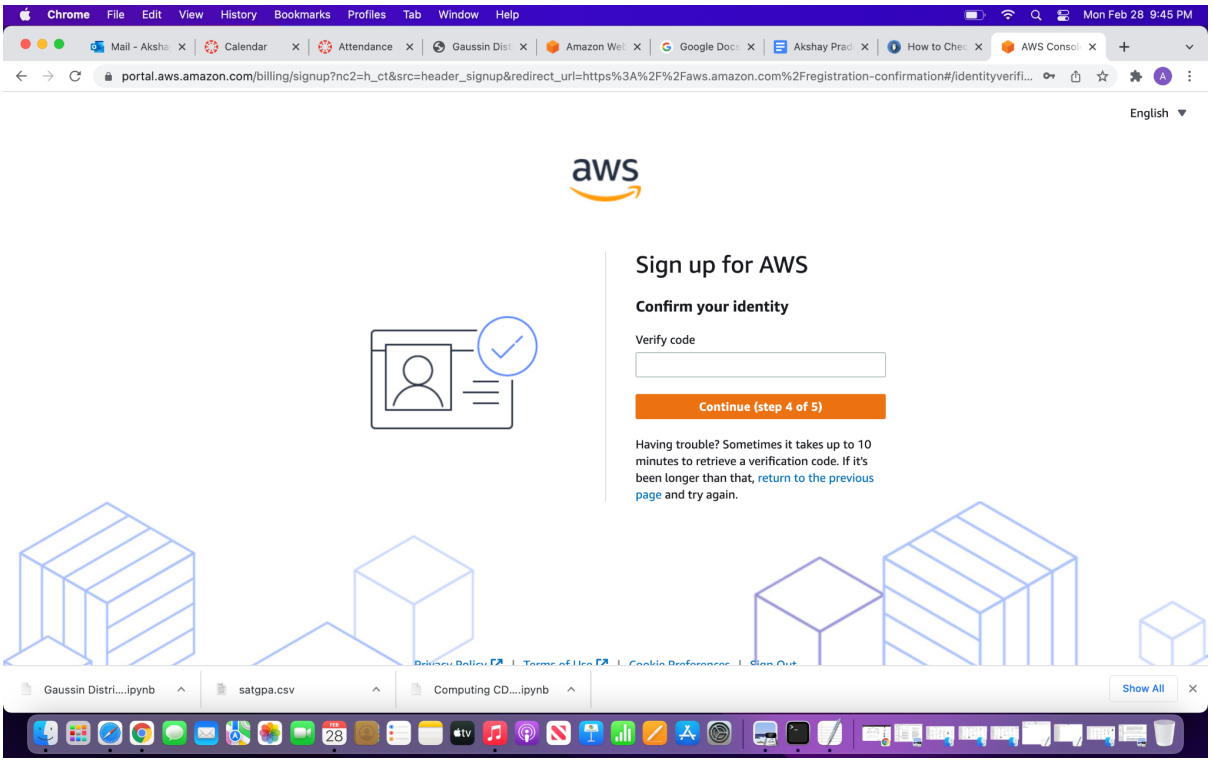


5. Enter the bank details and click on continue.

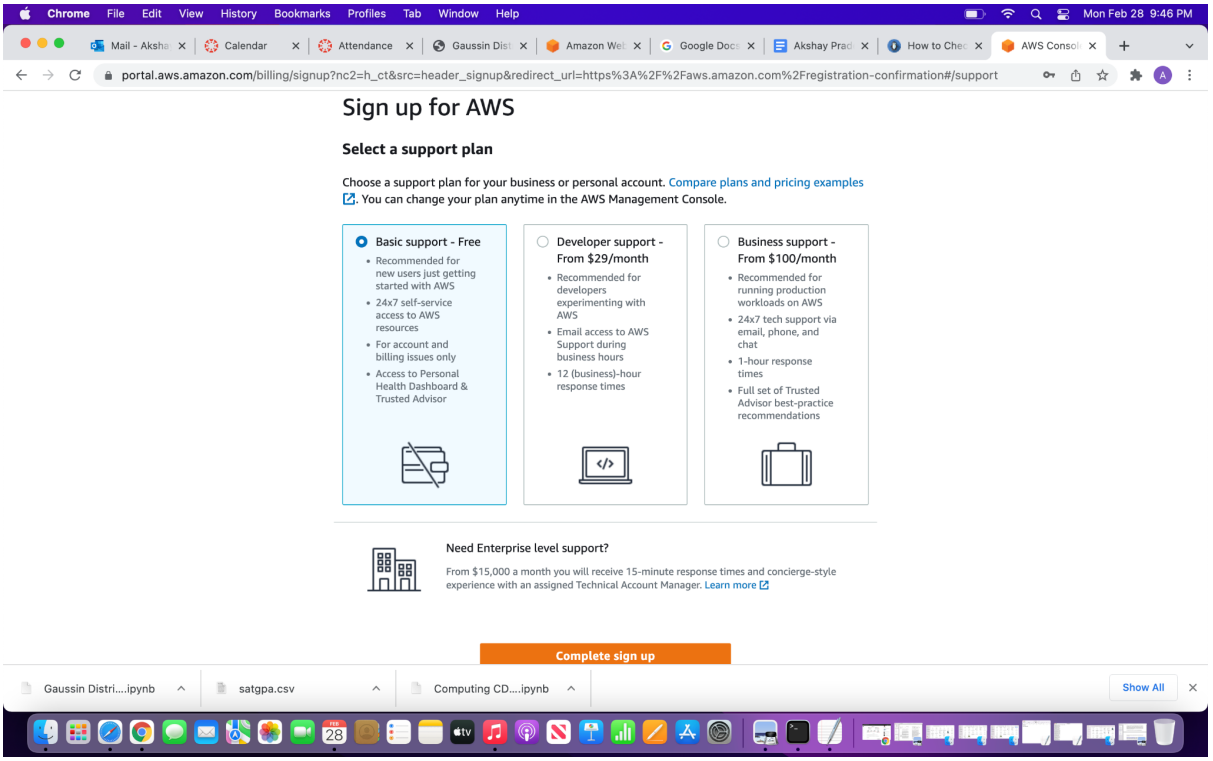


6. After that it will ask you to verify your identity. Verify SMS.

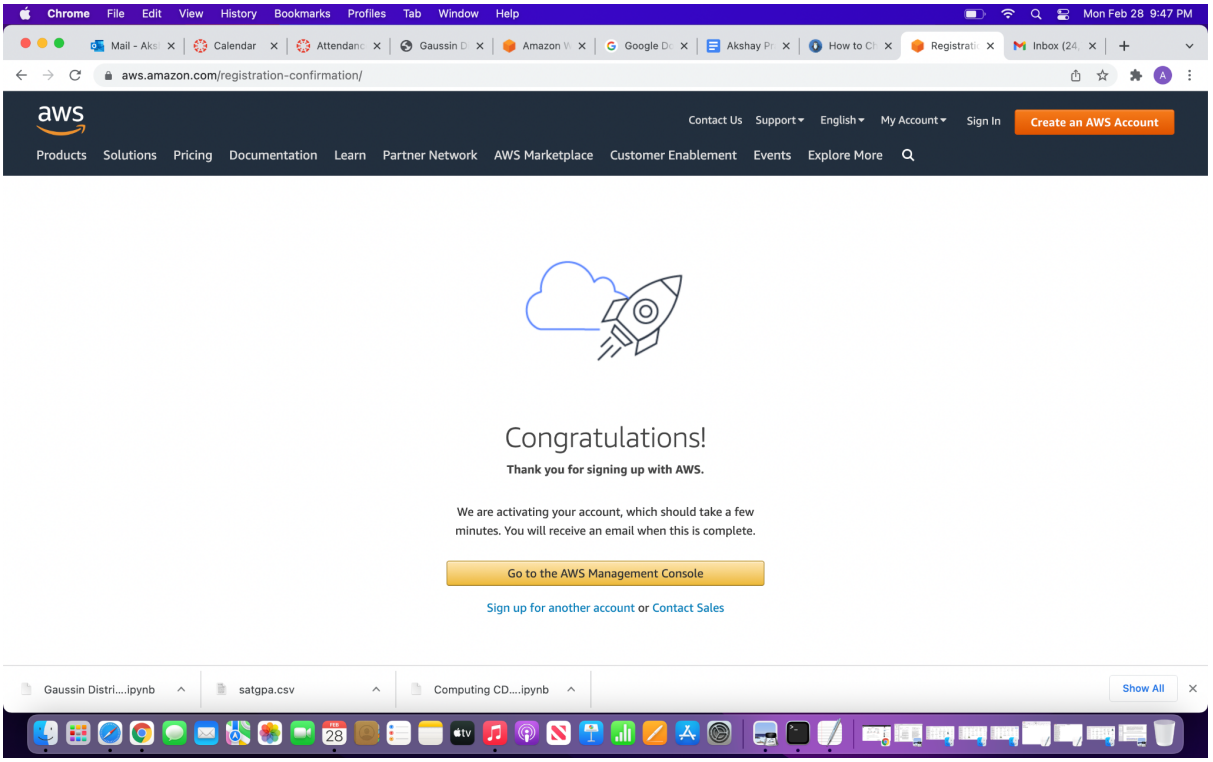




7. Finally it will ask for support plan. Select your plan and click complete.

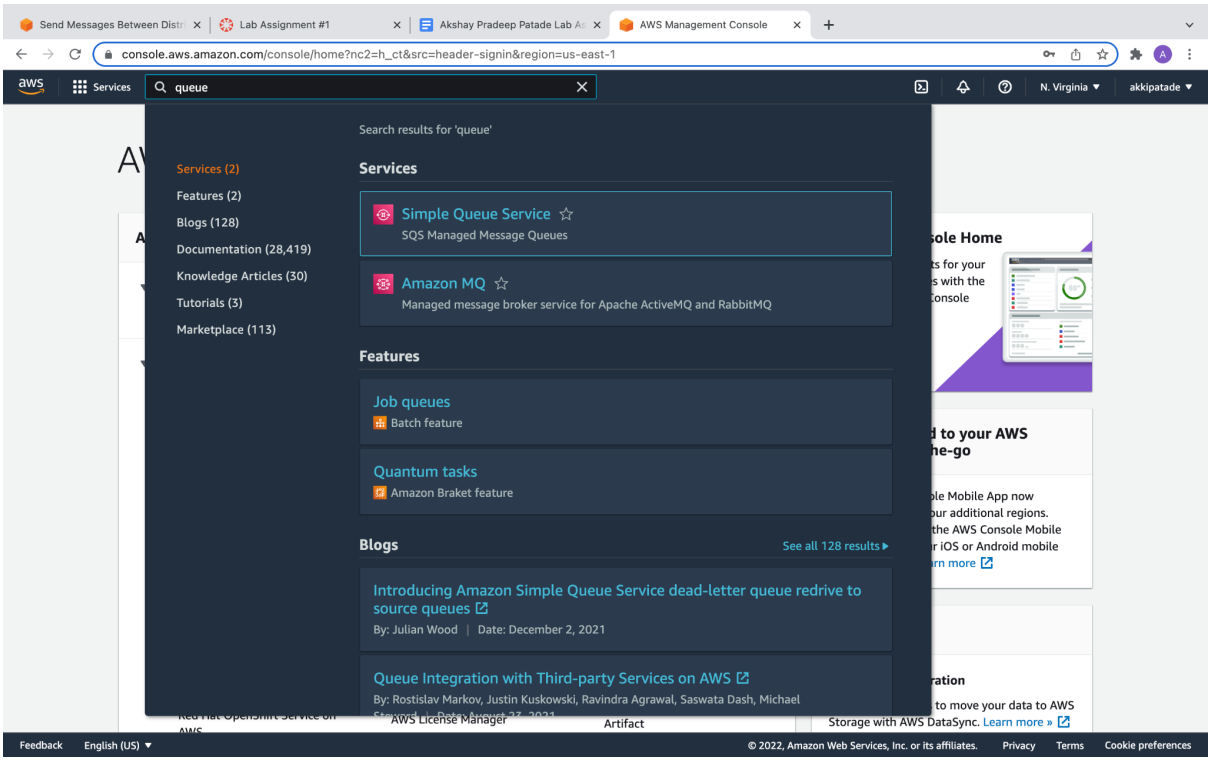


8. Once it is completed, it will show the completion page.

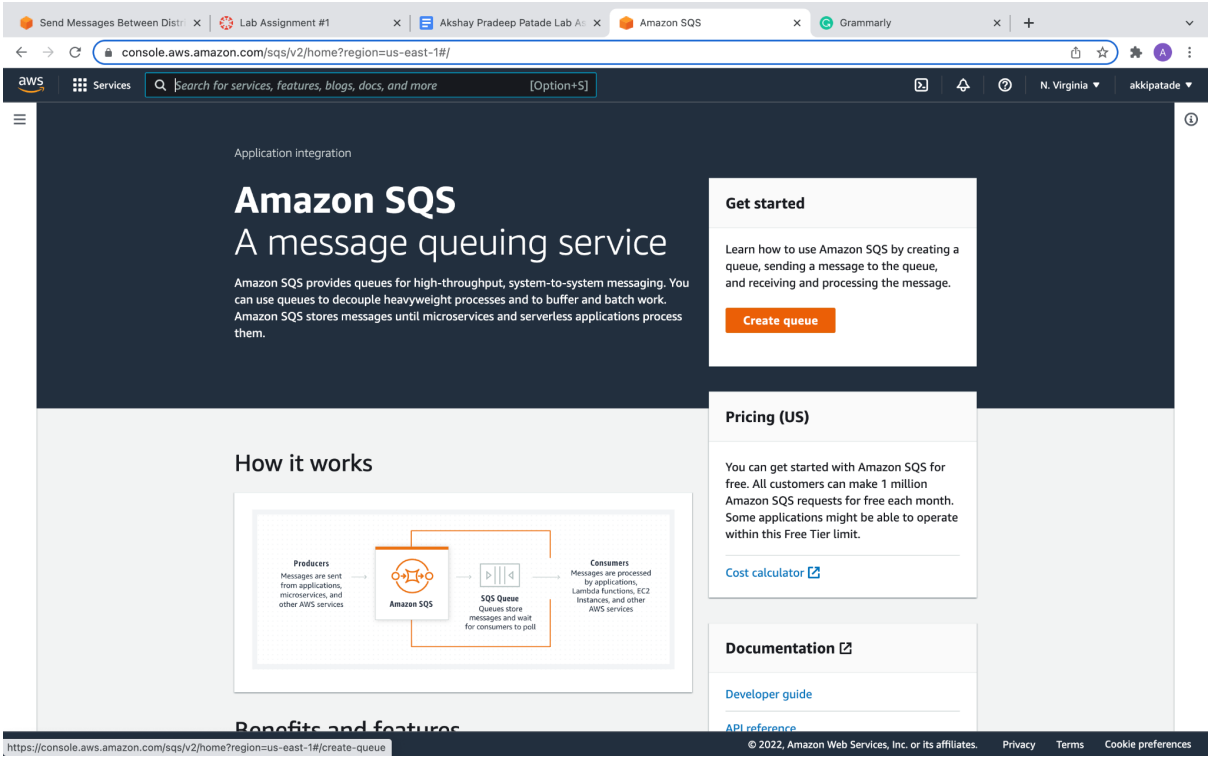


Amazon Simple Queue Service

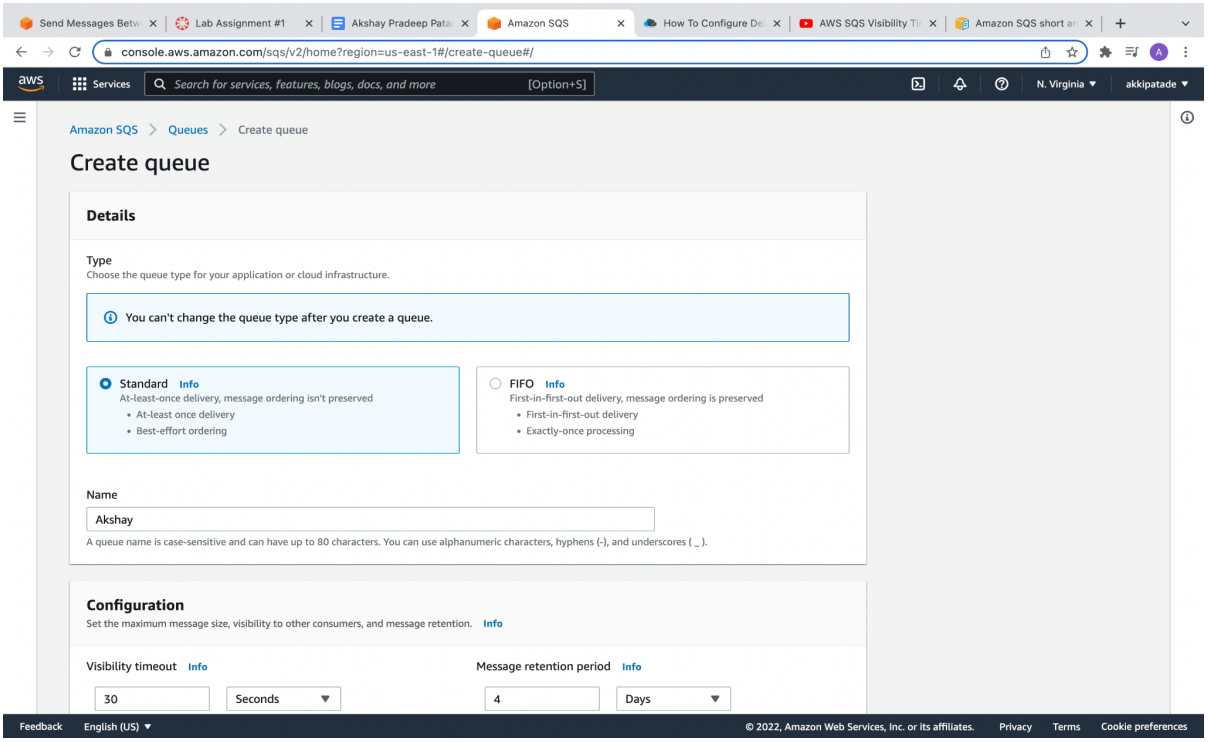
i. Login into AWS and search for Amazon Simple Queue Service

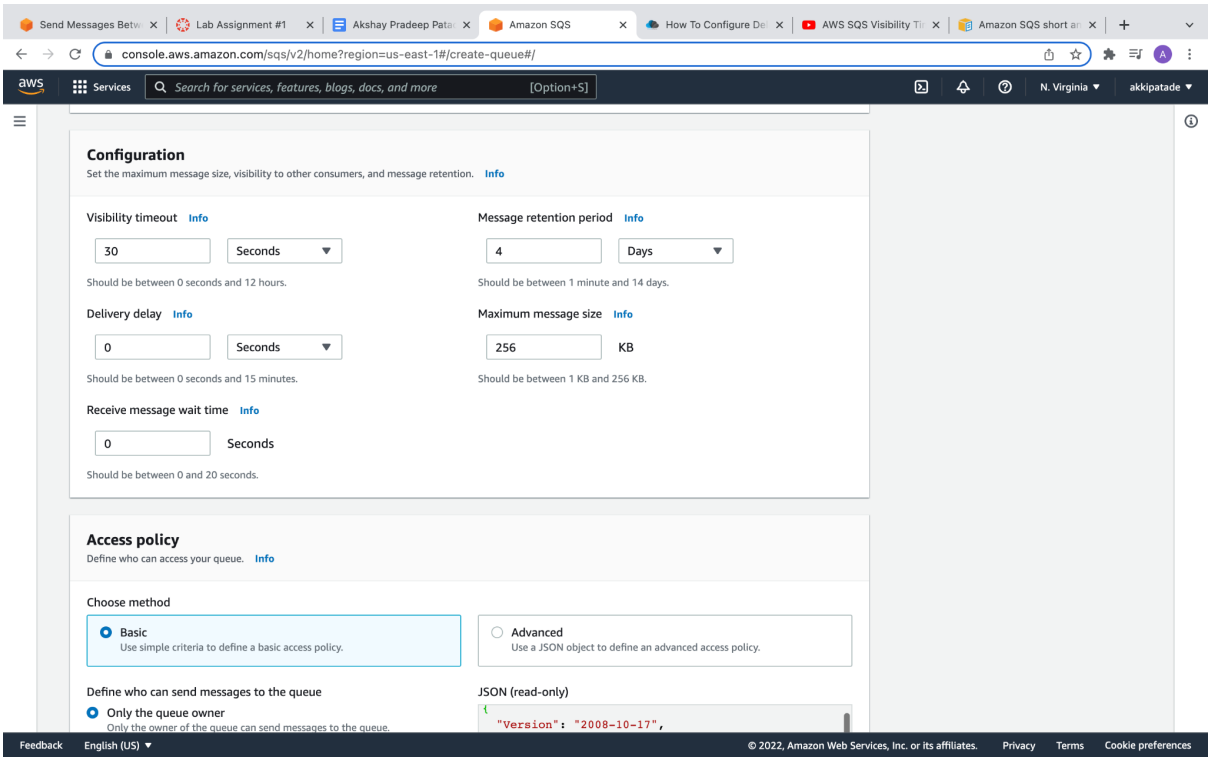


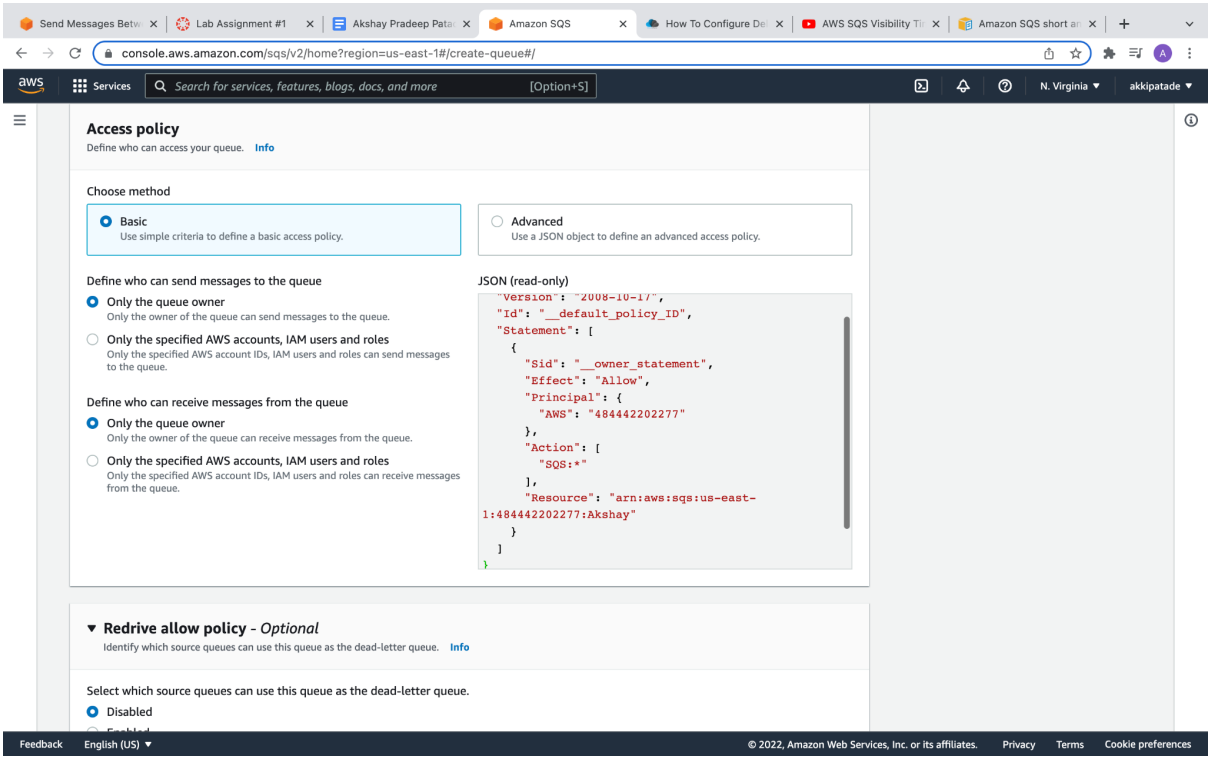
ii. Select Create queue.

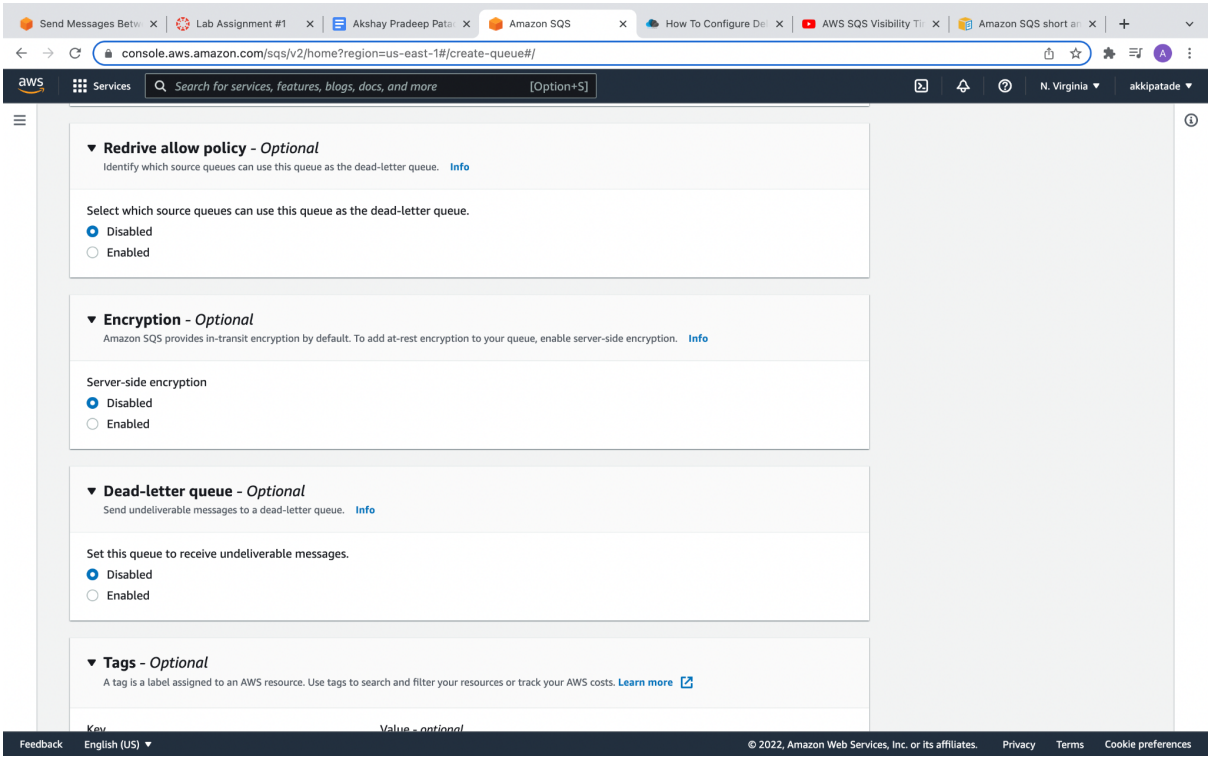


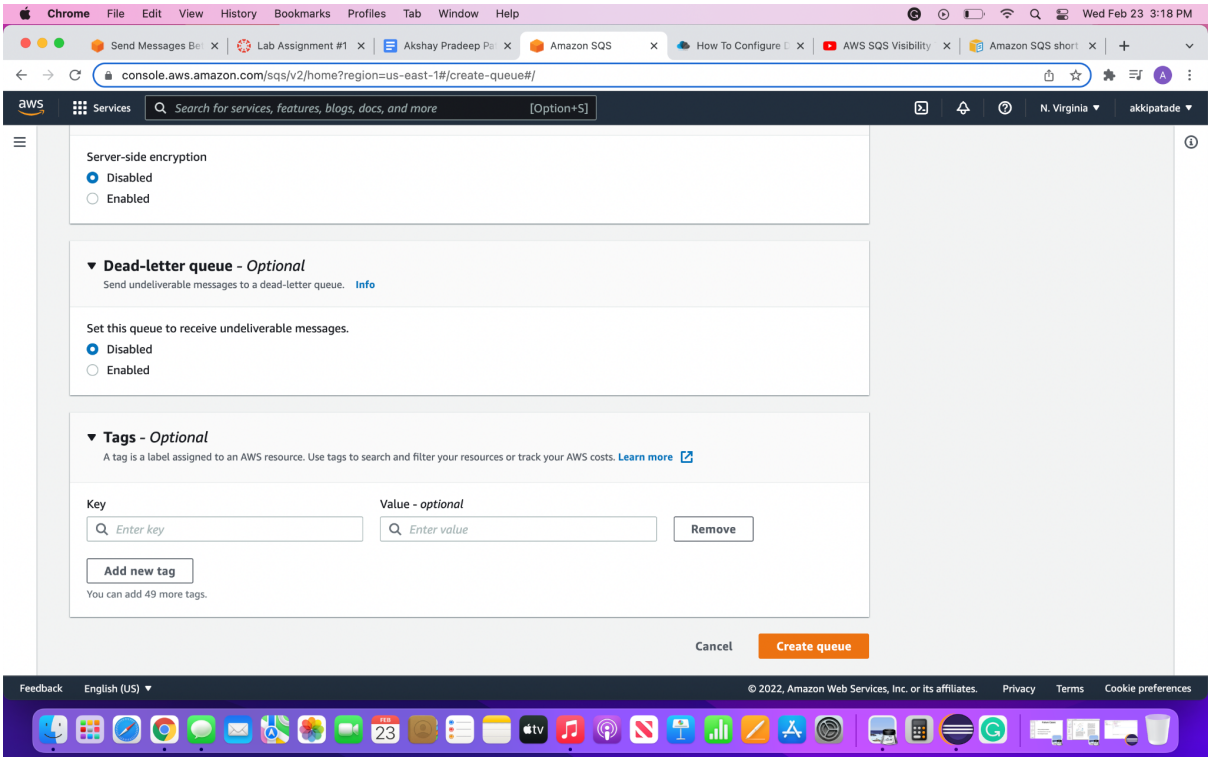
iii. Setting the properties of the queue.

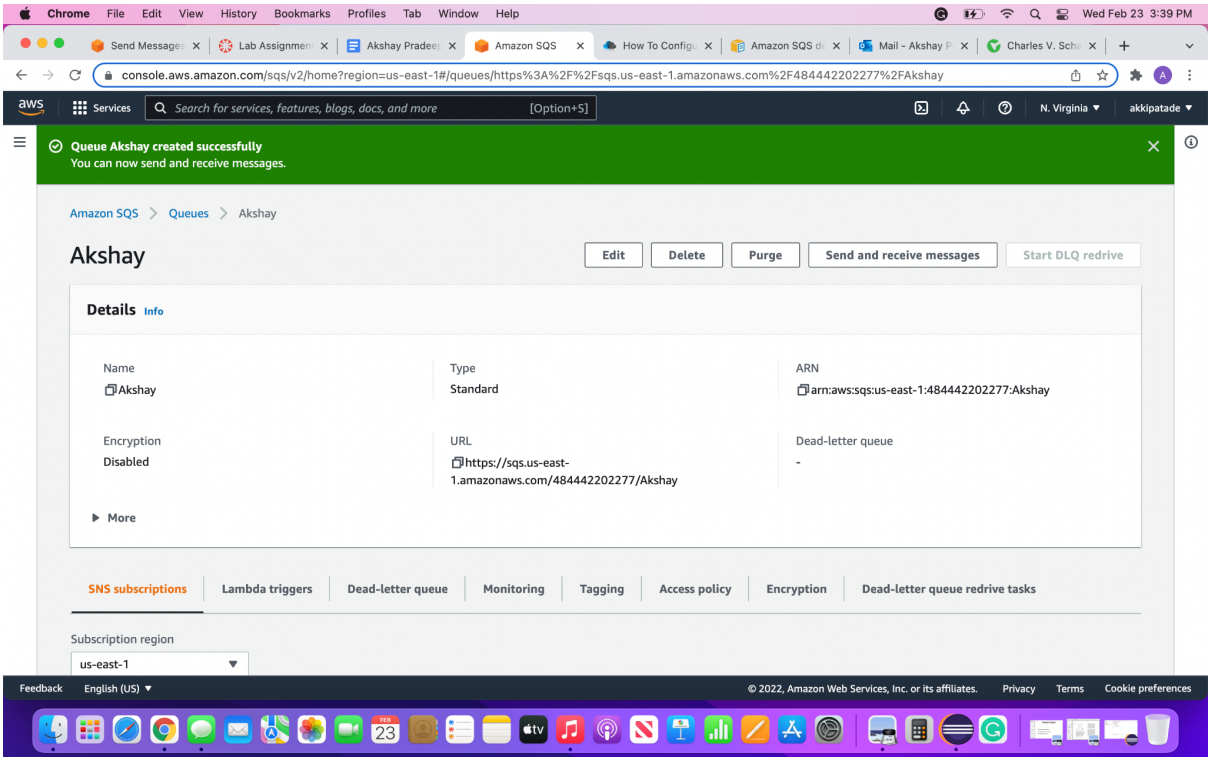




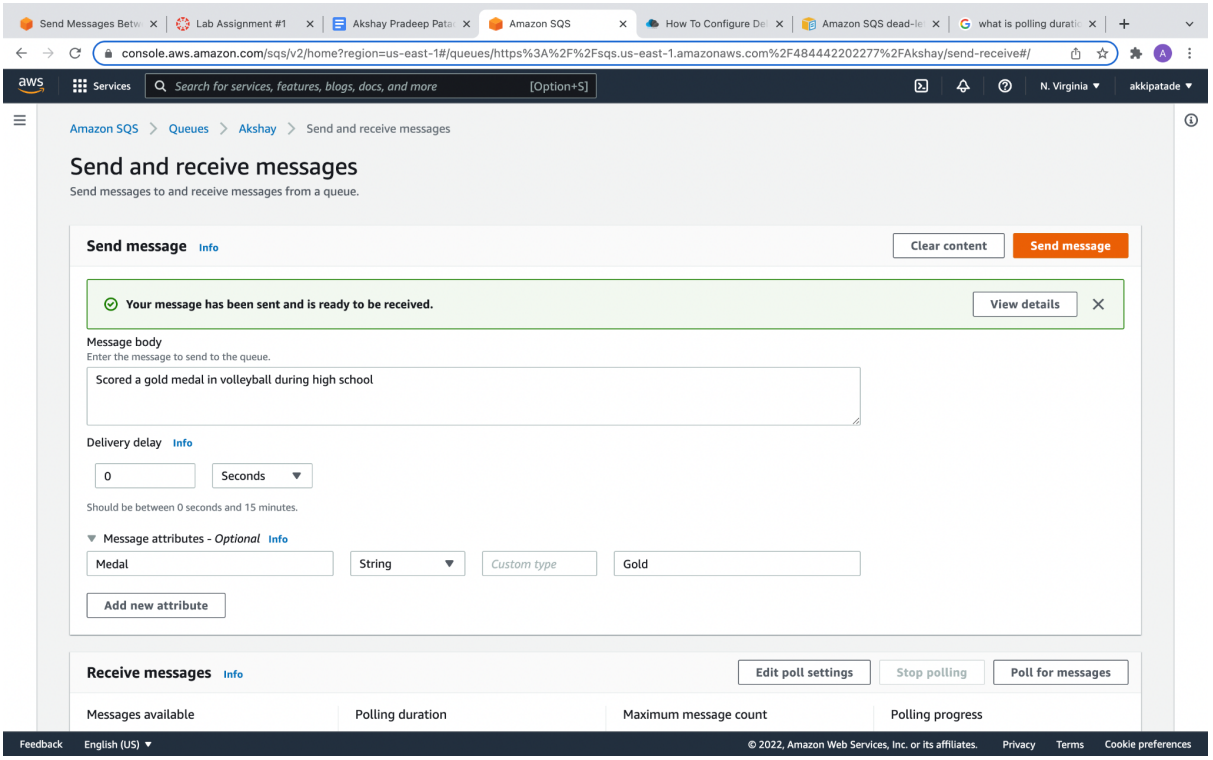

Send Messages Betw
Lab Assignment #1
Akshay Pradeep Pata
Amazon SQS
How To Configure De
AWS SQS Visibility Ti
Amazon SQS short ar
console.aws.amazon.com/sqs/v2/home?region=us-east-1#/create-queue#/
aws
Services
Search for services, features, blogs, docs, and more
[Option+S]
N. Virginia
akkipatade
Access policy
Define who can access your queue. Info
Choose method
Basic
Use simple criteria to define a basic access policy.
Advanced
Use a JSON object to define an advanced access policy.
Define who can send messages to the queue
Only the queue owner
Only the owner of the queue can send messages to the queue.
Only the specified AWS accounts, IAM users and roles
Only the specified AWS account IDs, IAM users and roles can send messages to the queue.
Define who can receive messages from the queue
Only the queue owner
Only the owner of the queue can receive messages from the queue.
Only the specified AWS accounts, IAM users and roles
Only the specified AWS account IDs, IAM users and roles can receive messages from the queue.
JSON (read-only)
"Version": "2008-10-17",
"Id": "__default_policy_ID",
"Statement": [
{
"Sid": "__owner_statement",
"Effect": "Allow",
"Principal": {
"AWS": "484442202277"
},
"Action": [
"SQS:*"
],
"Resource": "arn:aws:sqs:us-east-1:484442202277:Akshay"
}
]
}
Redrive allow policy - Optional
Identify which source queues can use this queue as the dead-letter queue. Info
Select which source queues can use this queue as the dead-letter queue.
Disabled
Feedback
English (US)
© 2022, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


Send Messages Betw
Lab Assignment #1
Akshay Pradeep Pata
Amazon SQS
How To Configure De
AWS SQS Visibility Ti
Amazon SQS short ar
console.aws.amazon.com/sqs/v2/home?region=us-east-1#/create-queue#/
aws
Services
Search for services, features, blogs, docs, and more
[Option+S]
N. Virginia
akkipatade
Redrive allow policy - Optional
Identify which source queues can use this queue as the dead-letter queue. Info
Select which source queues can use this queue as the dead-letter queue.
Disabled
Enabled
Encryption - Optional
Amazon SQS provides in-transit encryption by default. To add at-rest encryption to your queue, enable server-side encryption. Info
Server-side encryption
Disabled
Enabled
Dead-letter queue - Optional
Send undeliverable messages to a dead-letter queue. Info
Set this queue to receive undeliverable messages.
Disabled
Enabled
Tags - Optional
A tag is a label assigned to an AWS resource. Use tags to search and filter your resources or track your AWS costs. Learn more
Key
Value - optional
Feedback
English (US)
© 2022, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

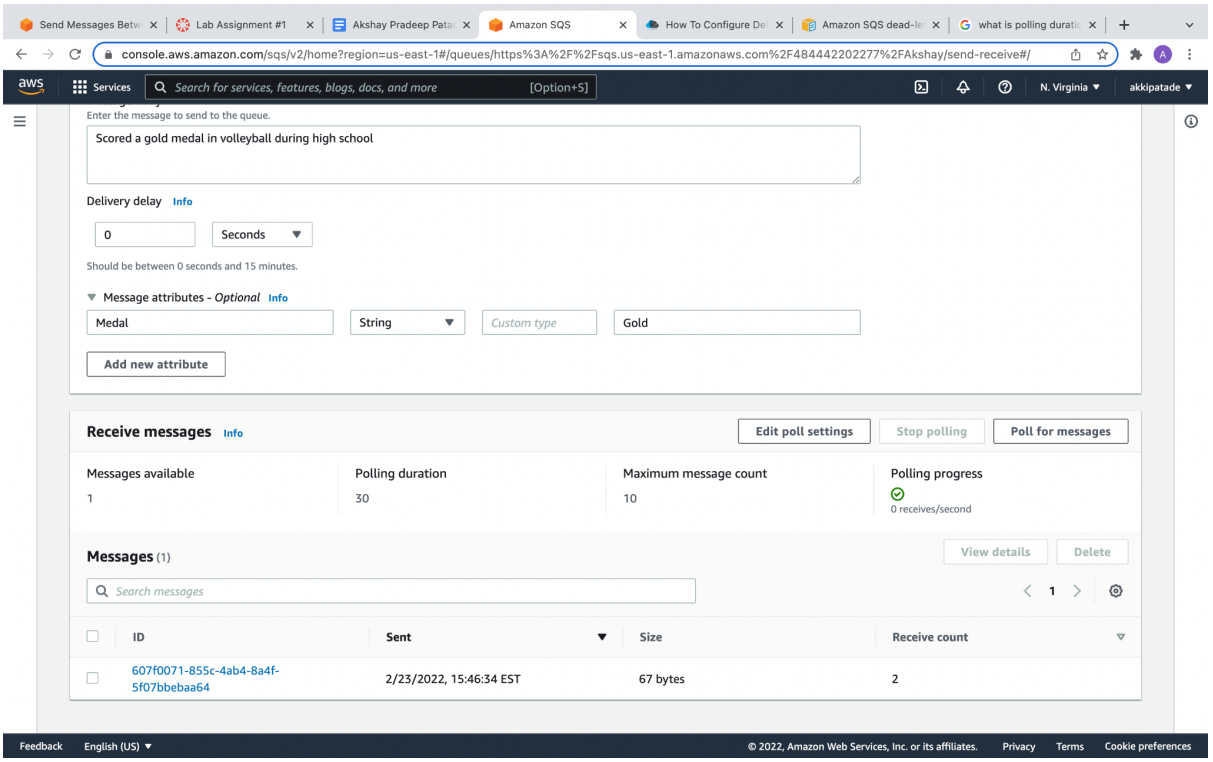


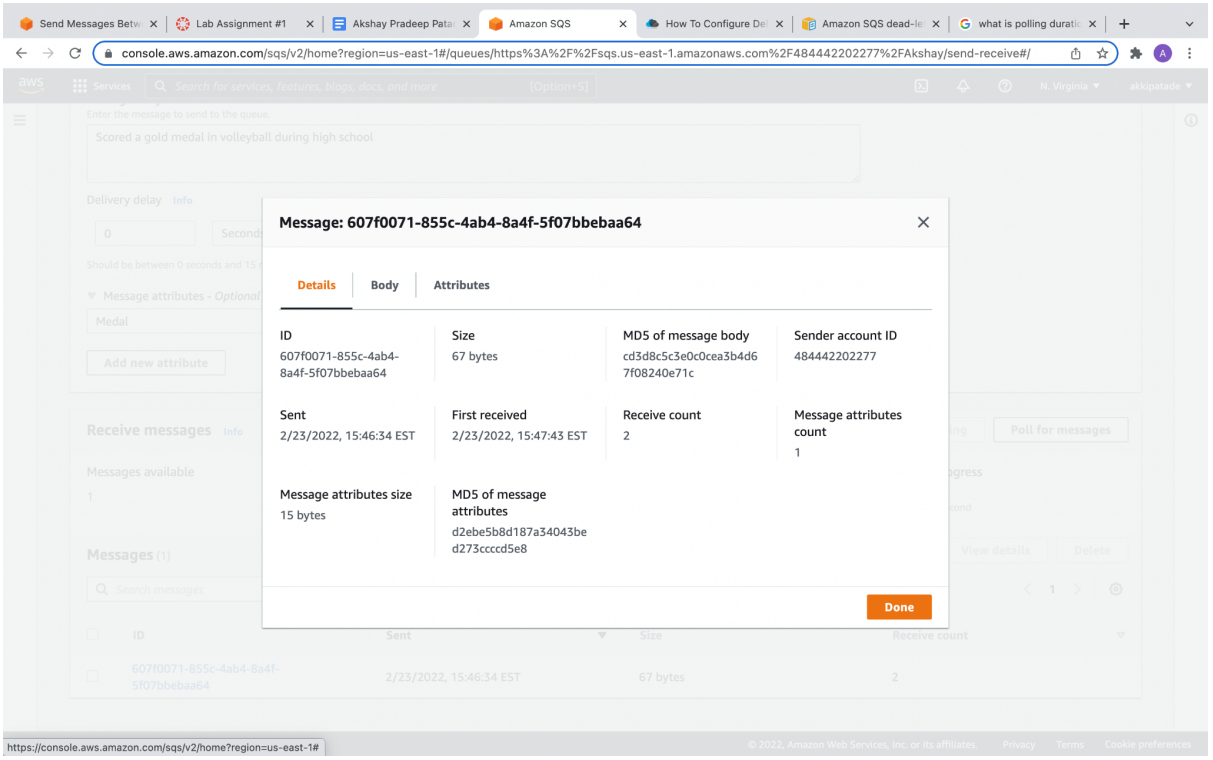


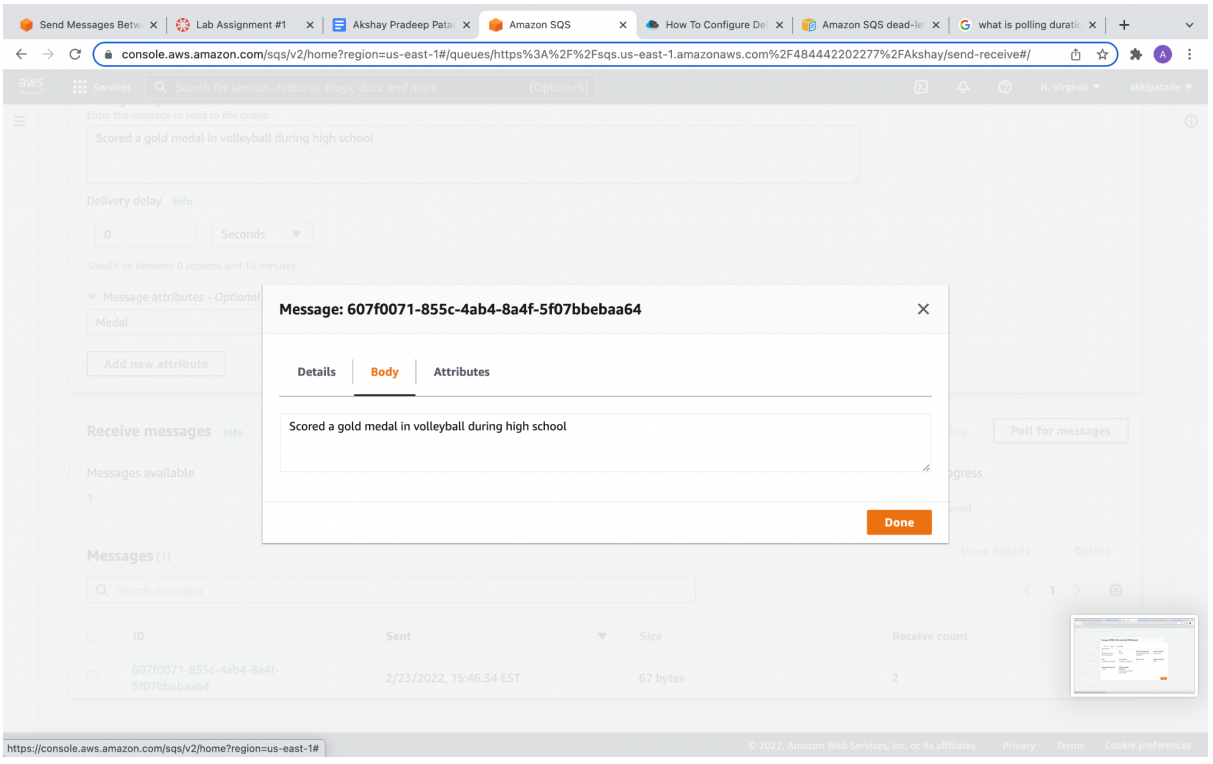
iv. Sending a message in the queue.

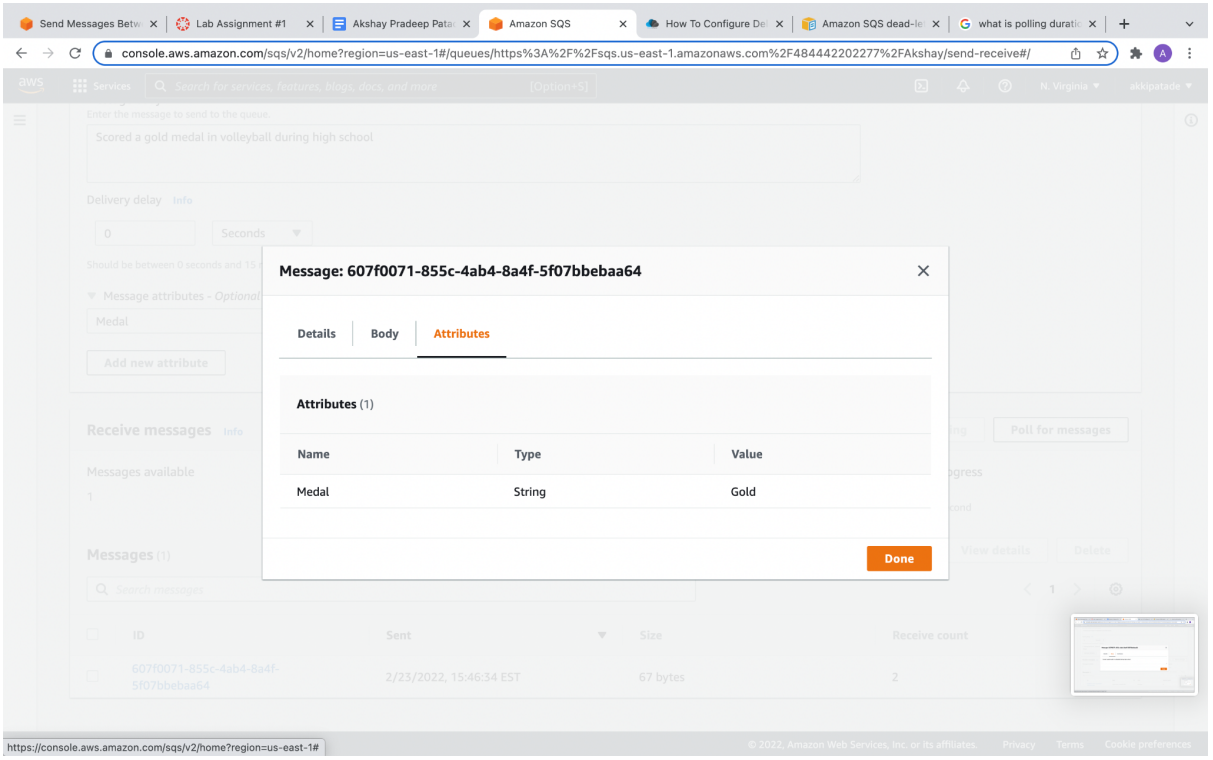


v. Viewing the message in the queue.

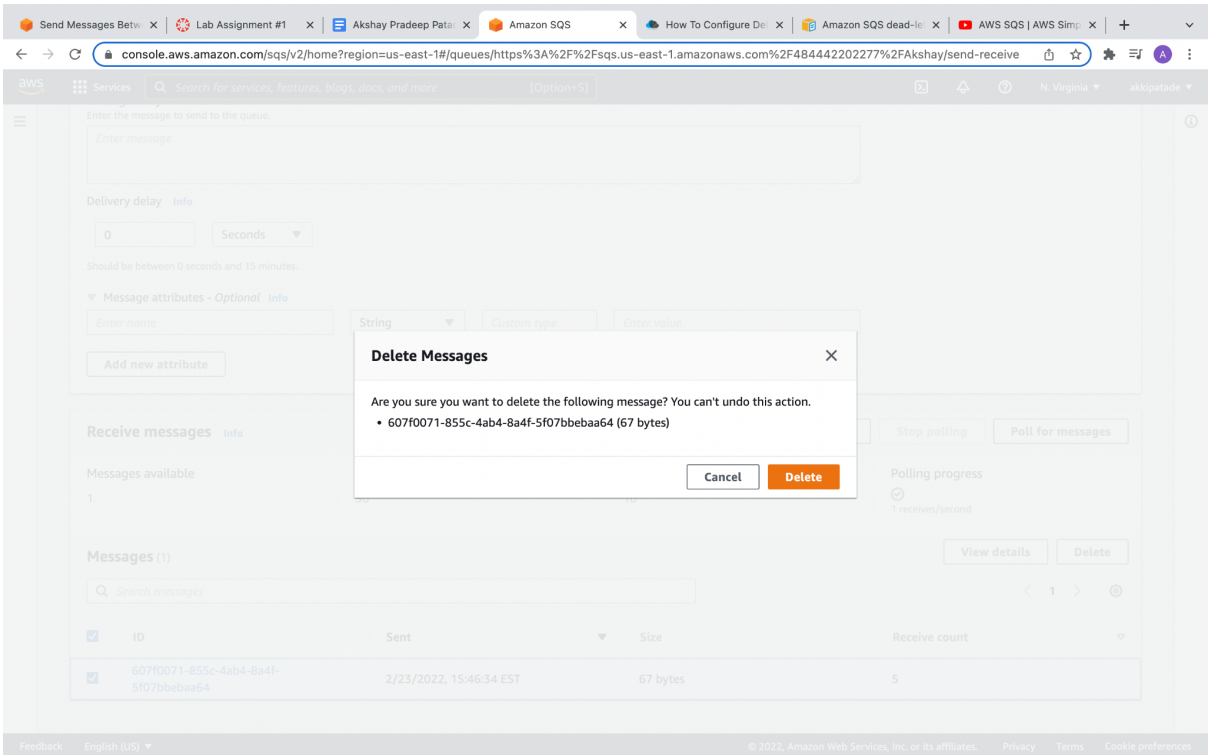


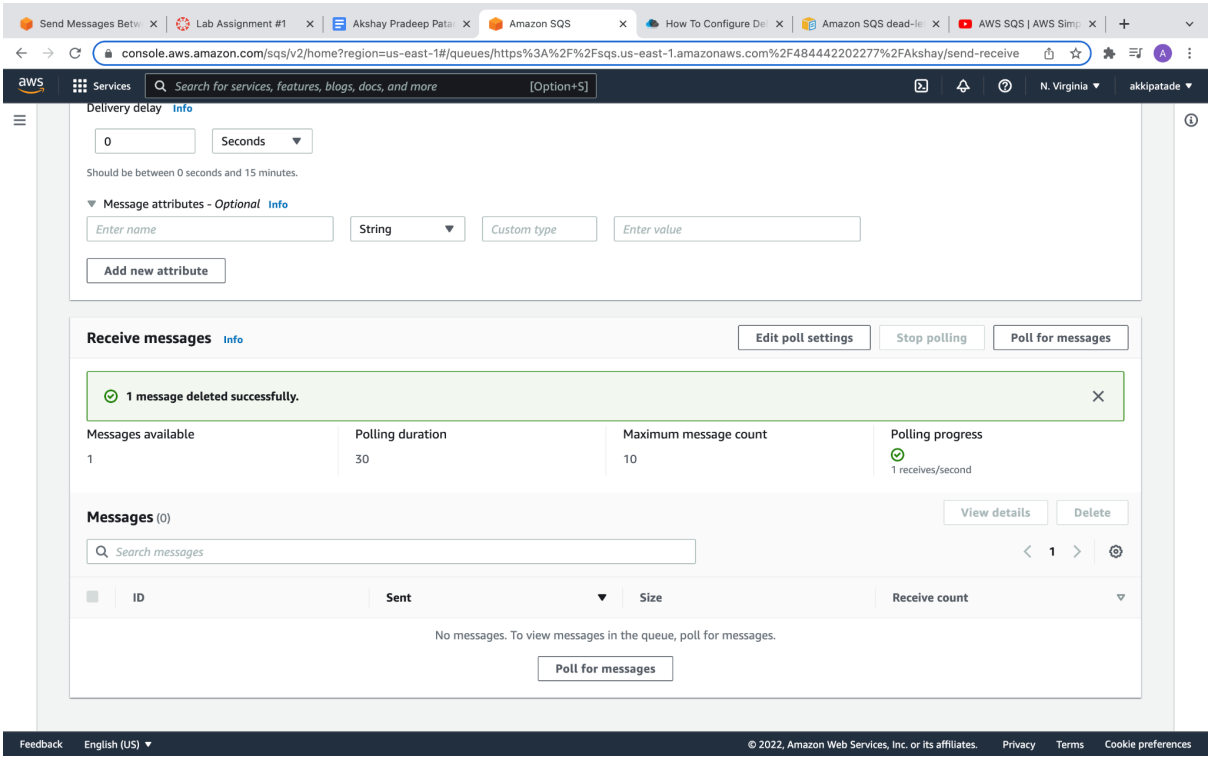

Message: 607f0071-855c-4ab4-8a4f-5f07bbebaa64
Details
Body
Attributes
ID
607f0071-855c-4ab4-8a4f-5f07bbebaa64
Size
67 bytes
MD5 of message body
cd3d8c5c3e0c0cea3b4d67f08240e71c
Sender account ID
484442202277
Sent
2/23/2022, 15:46:34 EST
First received
2/23/2022, 15:47:43 EST
Receive count
2
Message attributes count
1
Message attributes size
15 bytes
MD5 of message attributes
d2ebe5b8d187a34043bed273ccccd5e8
Done


Message: 607f0071-855c-4ab4-8a4f-5f07bbebaa64
Details
Body
Attributes
Scored a gold medal in volleyball during high school
Done

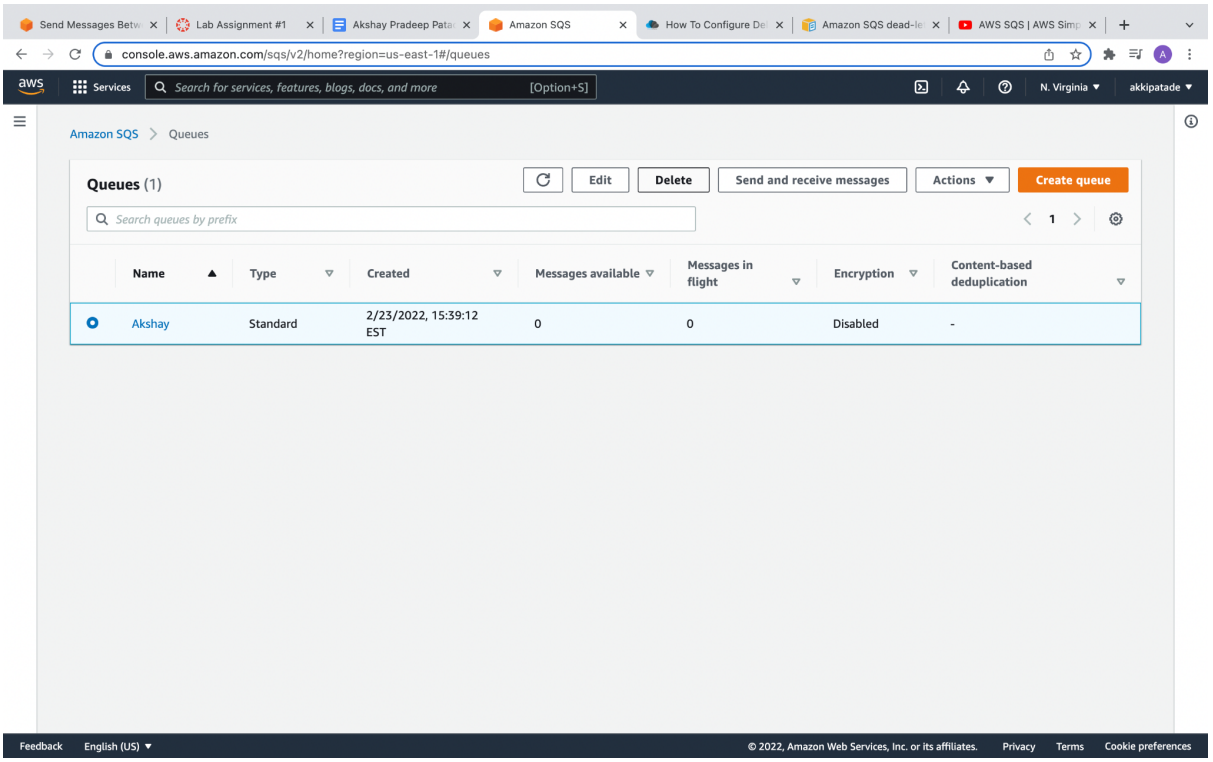


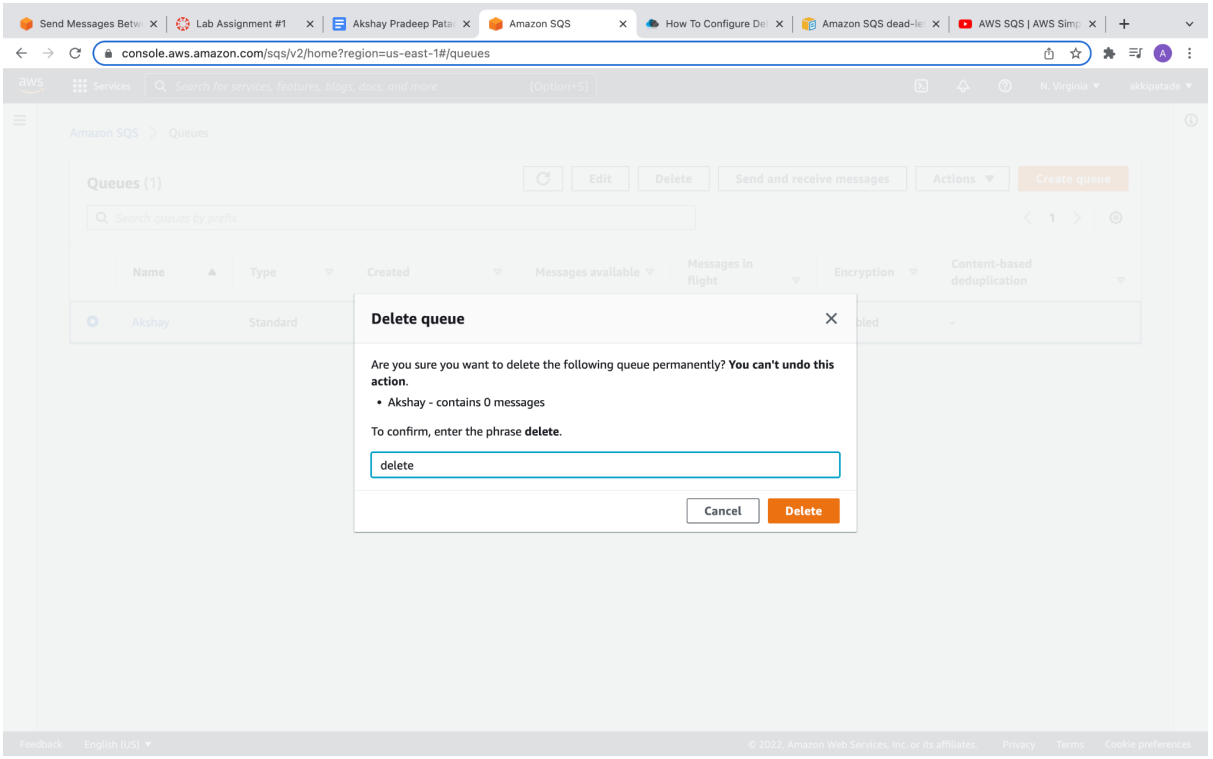
vi. Deleting a message in the queue.

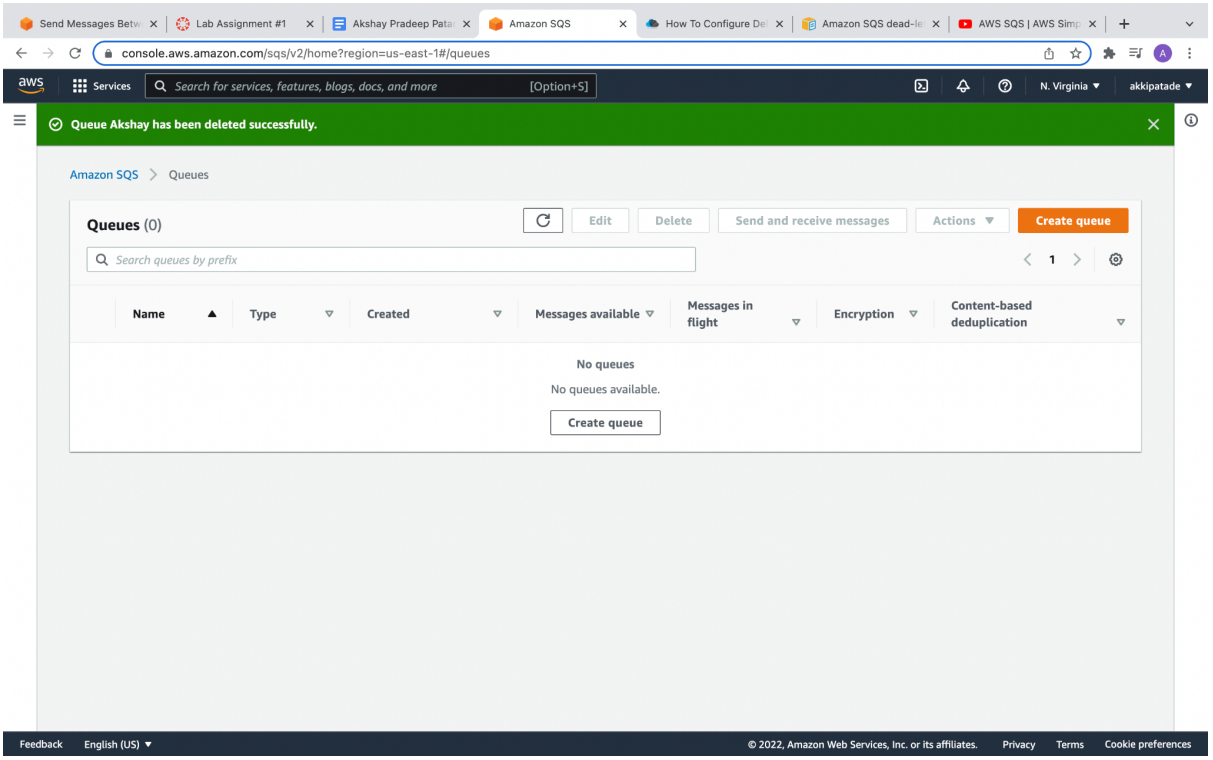




vii. Deleting the queue.

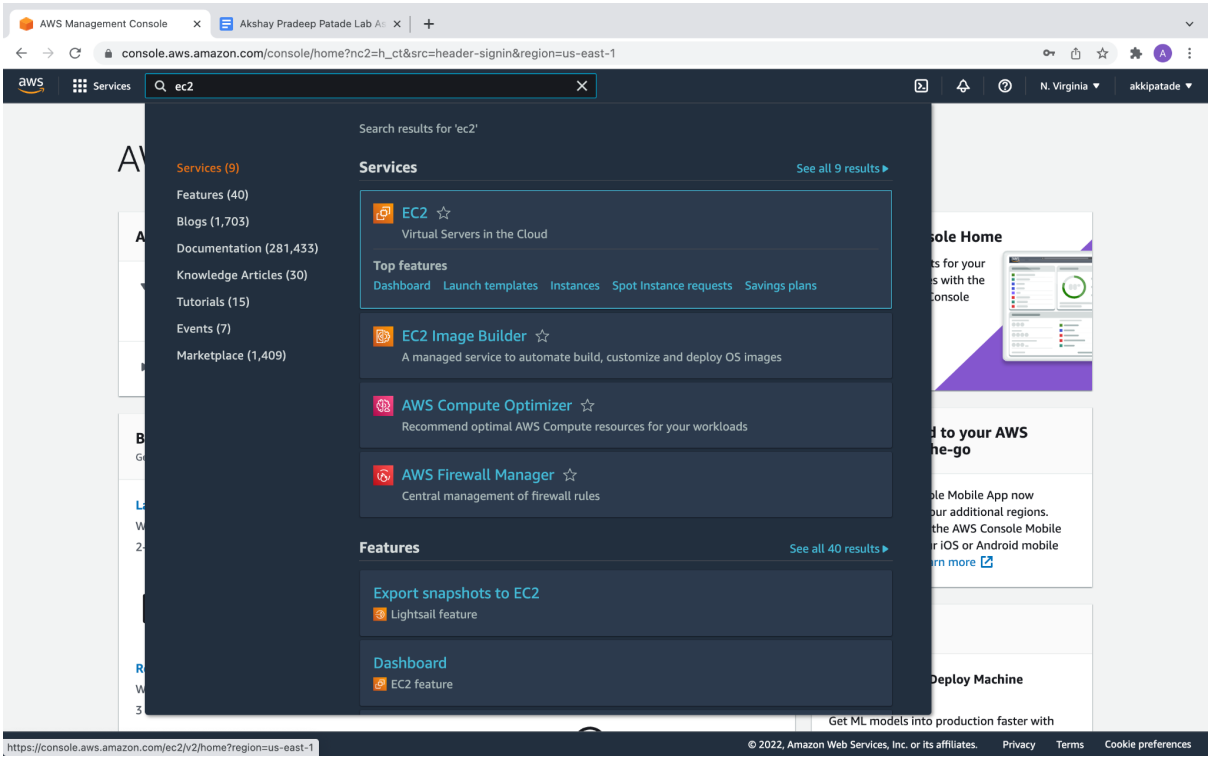




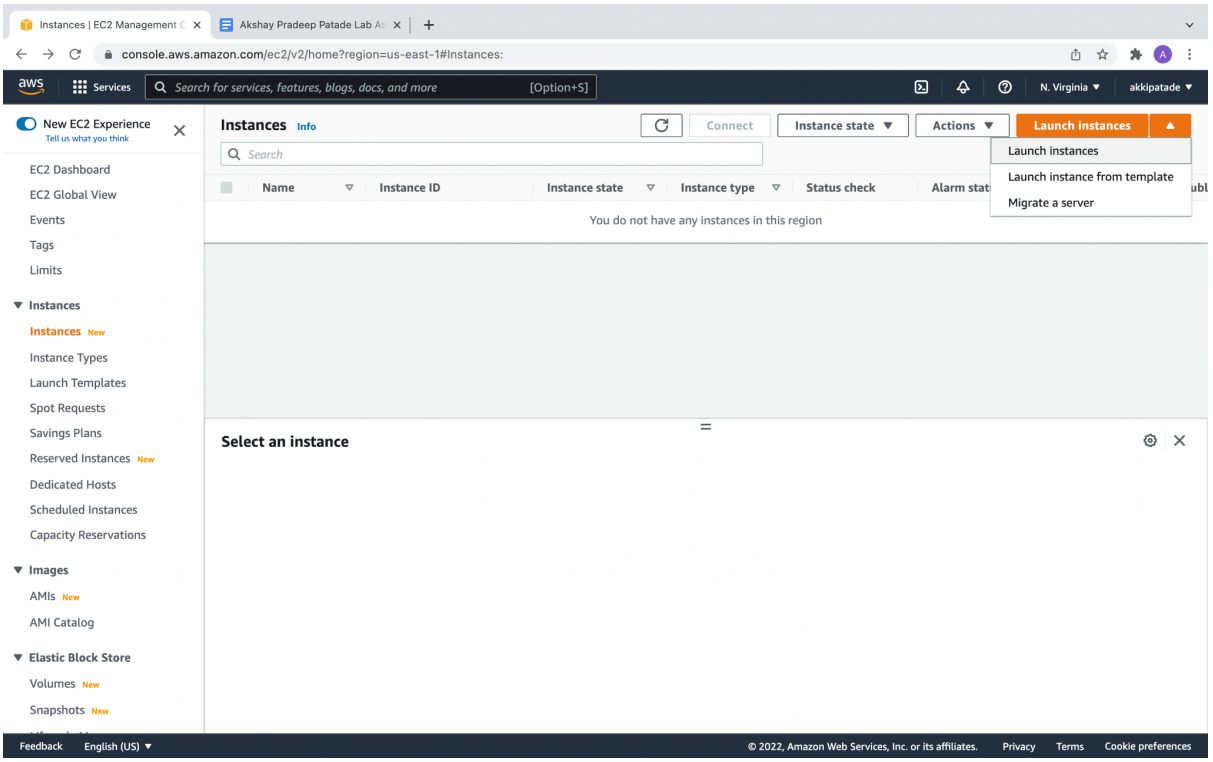


2. Amazon EC2 Service.

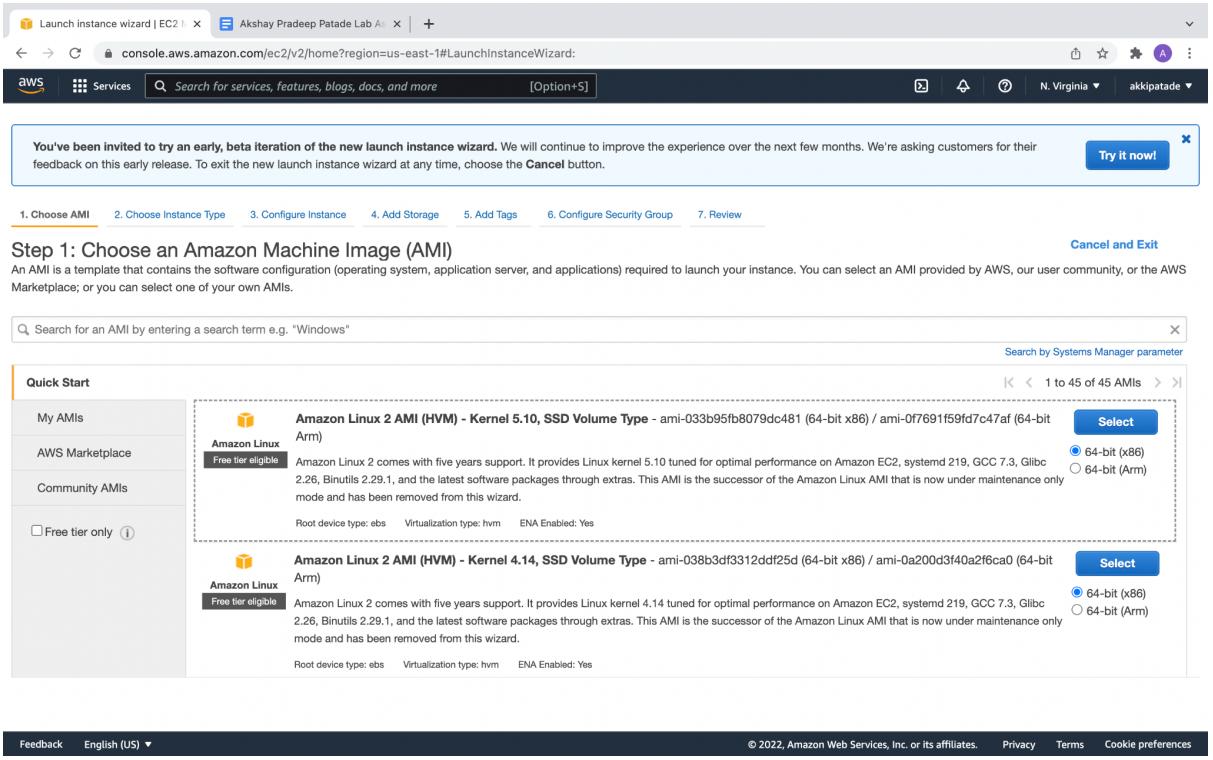
i. Search for EC2 in Amazon Management Console and select EC2.



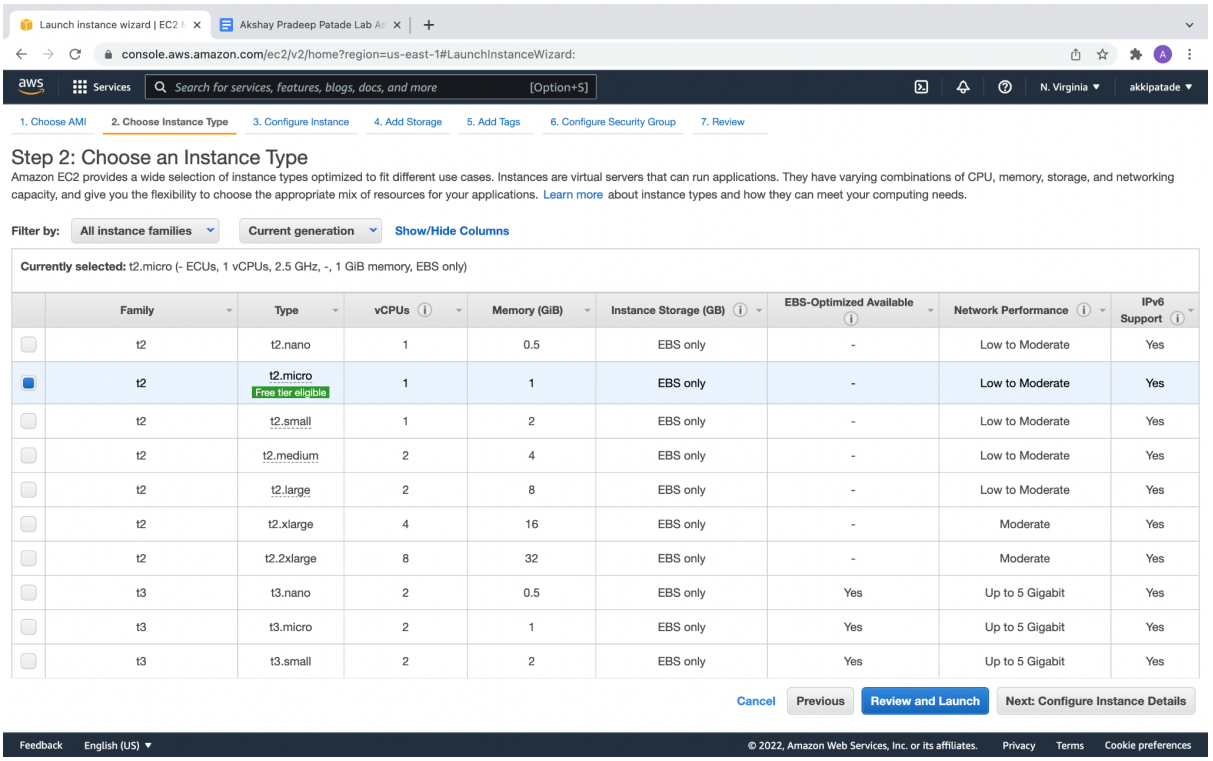
ii. Go to the launch instances orange button and select launch instances.



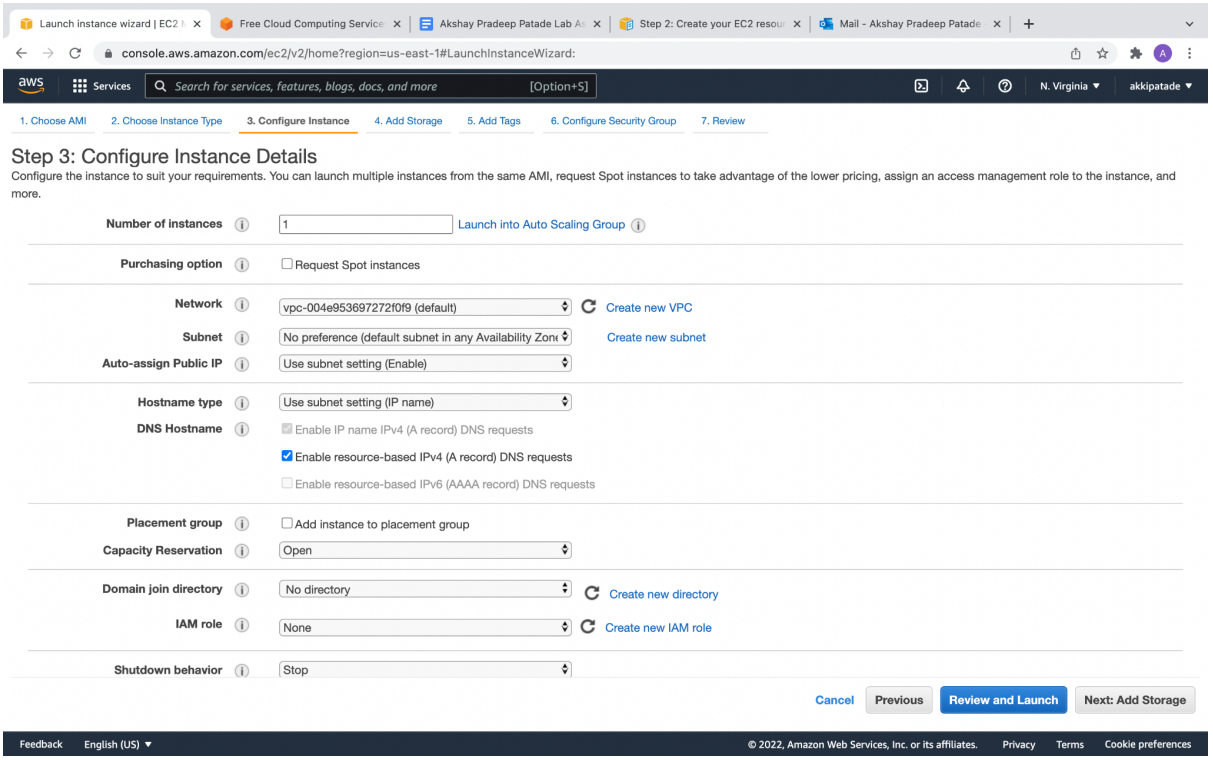
iii. Select Amazon Linux 2 AMI (HVM).

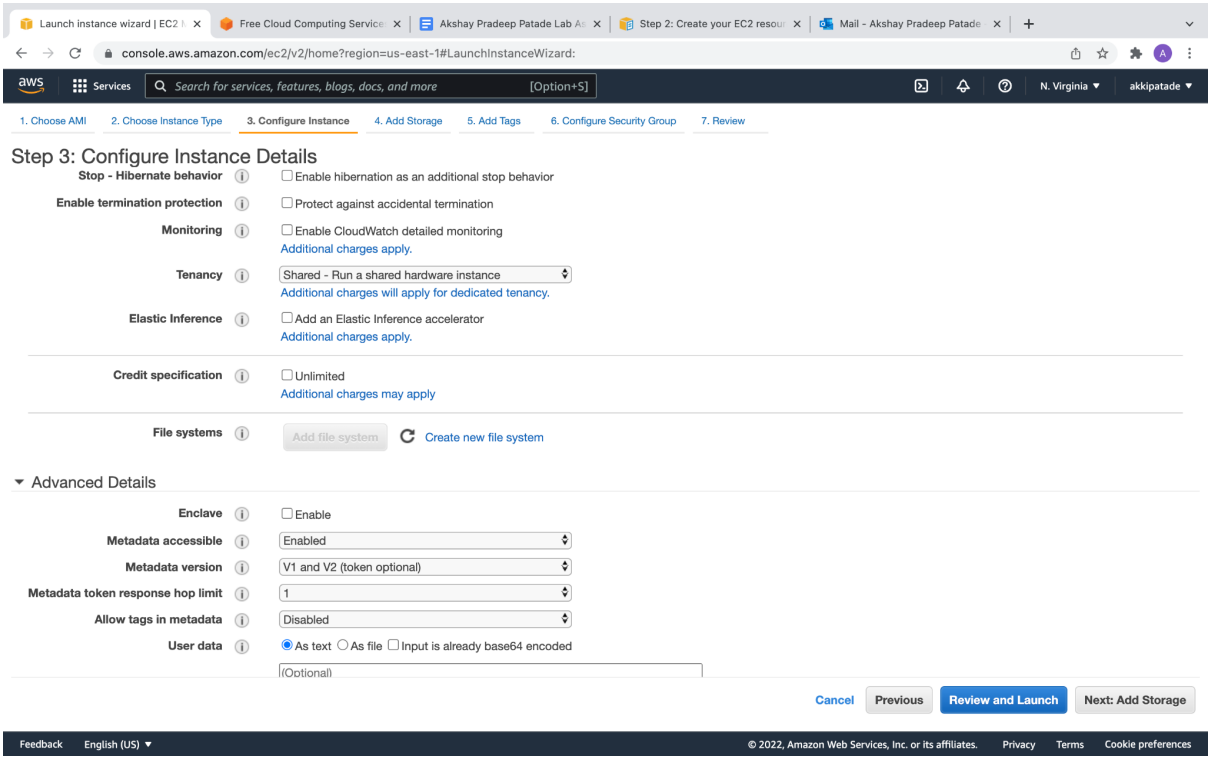


iv. Select t2.micro instance and select Next: Configure Instance Details button present on the bottom right.

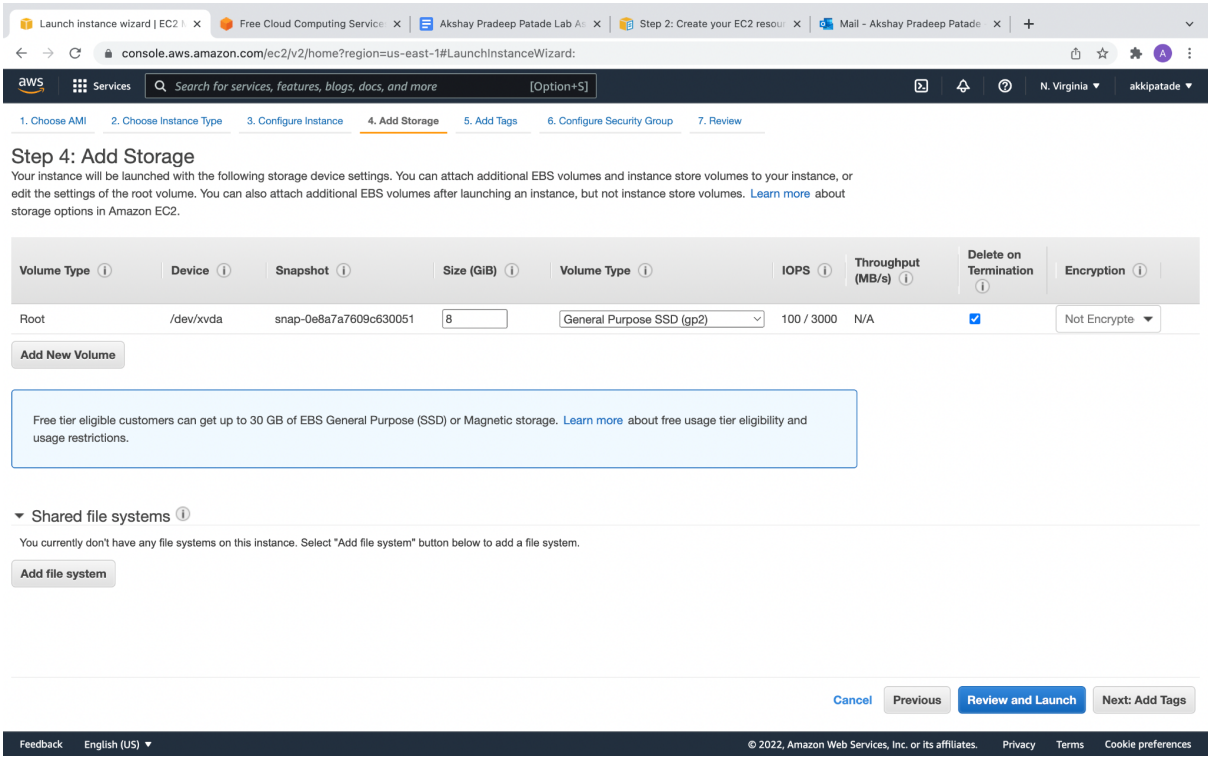


v. Configure the instance and after that click on add storage button.

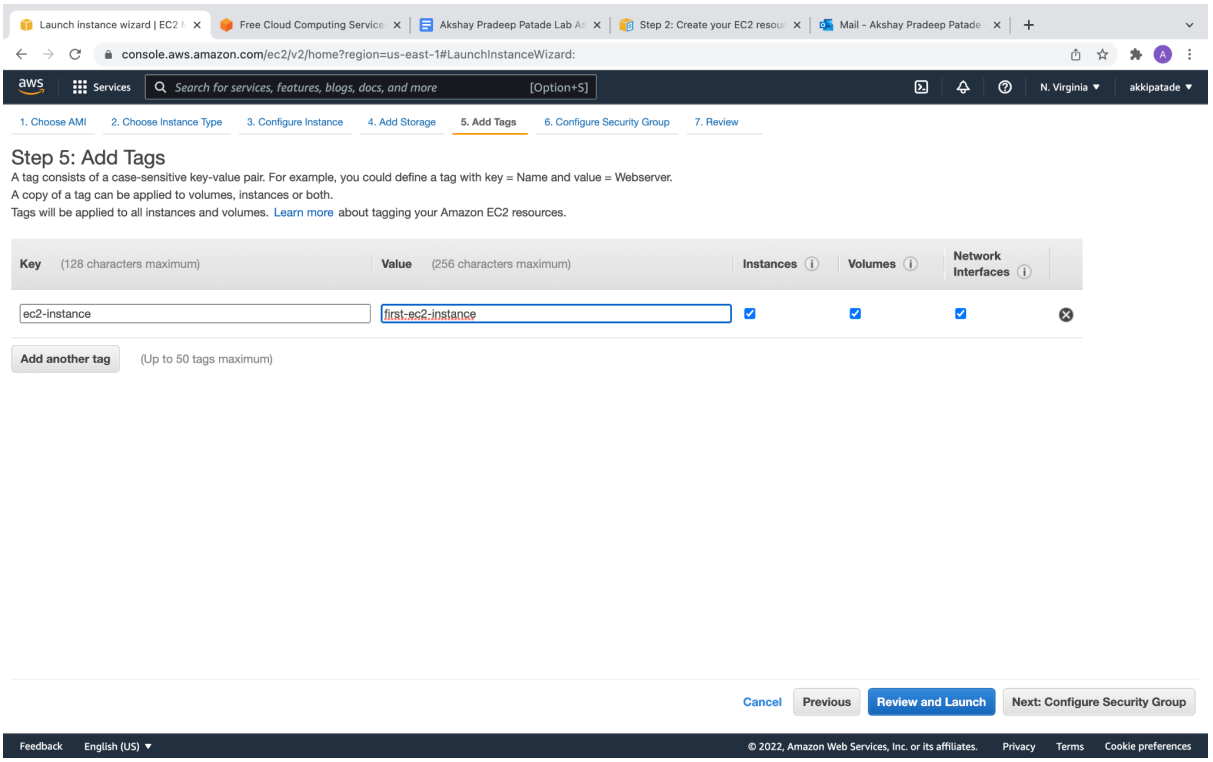




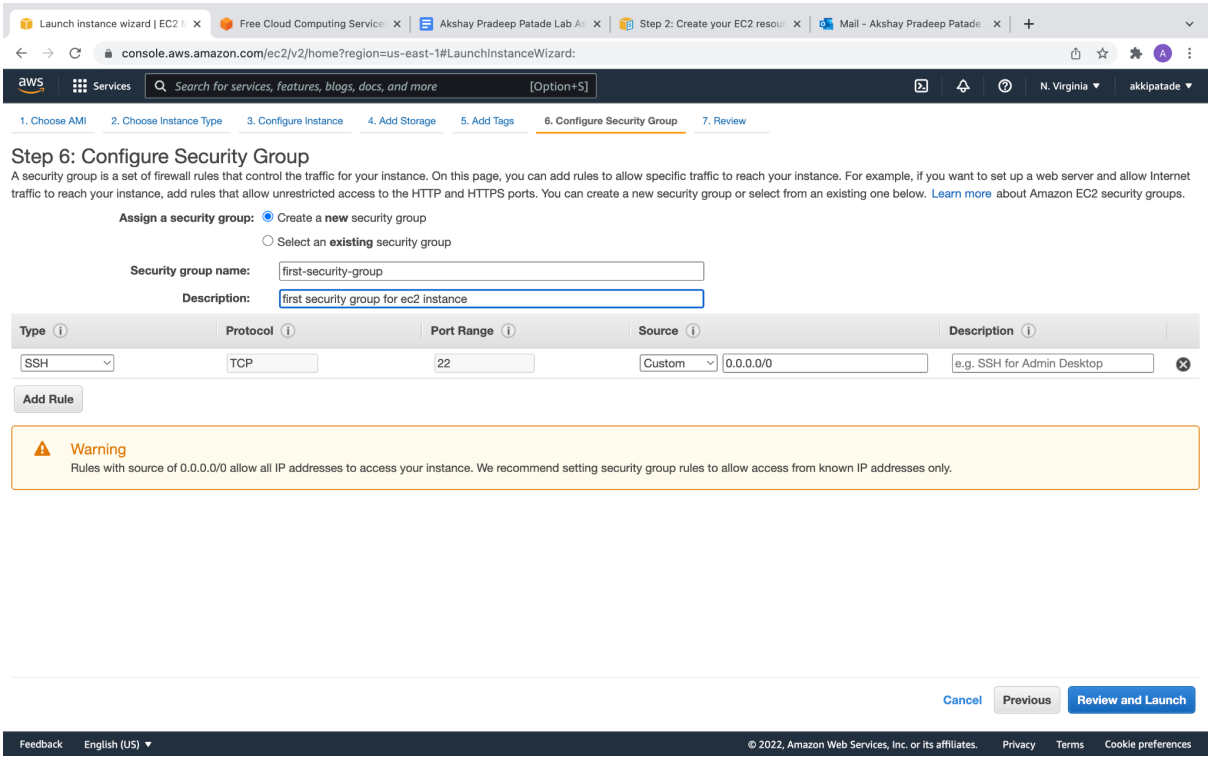
vi. Add the Storage to your instance and click on add tags button.



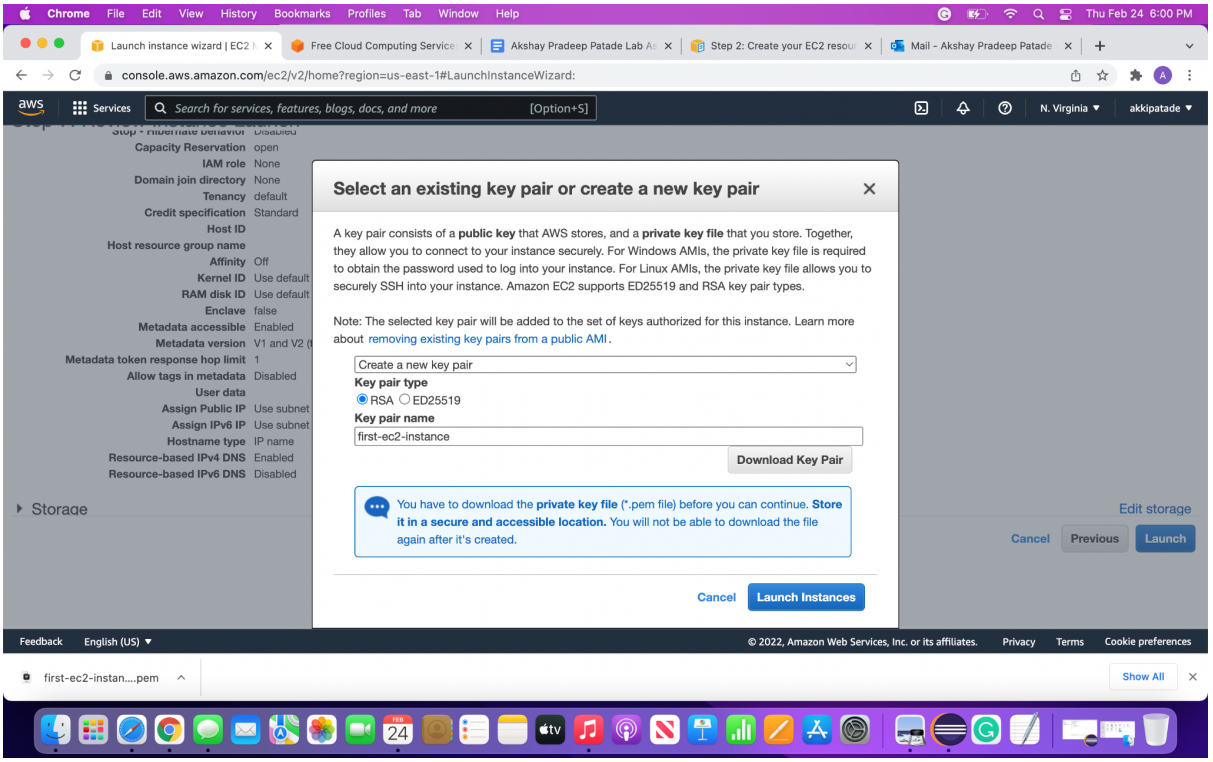
vii. Add tags to your instance and then select configure security group.



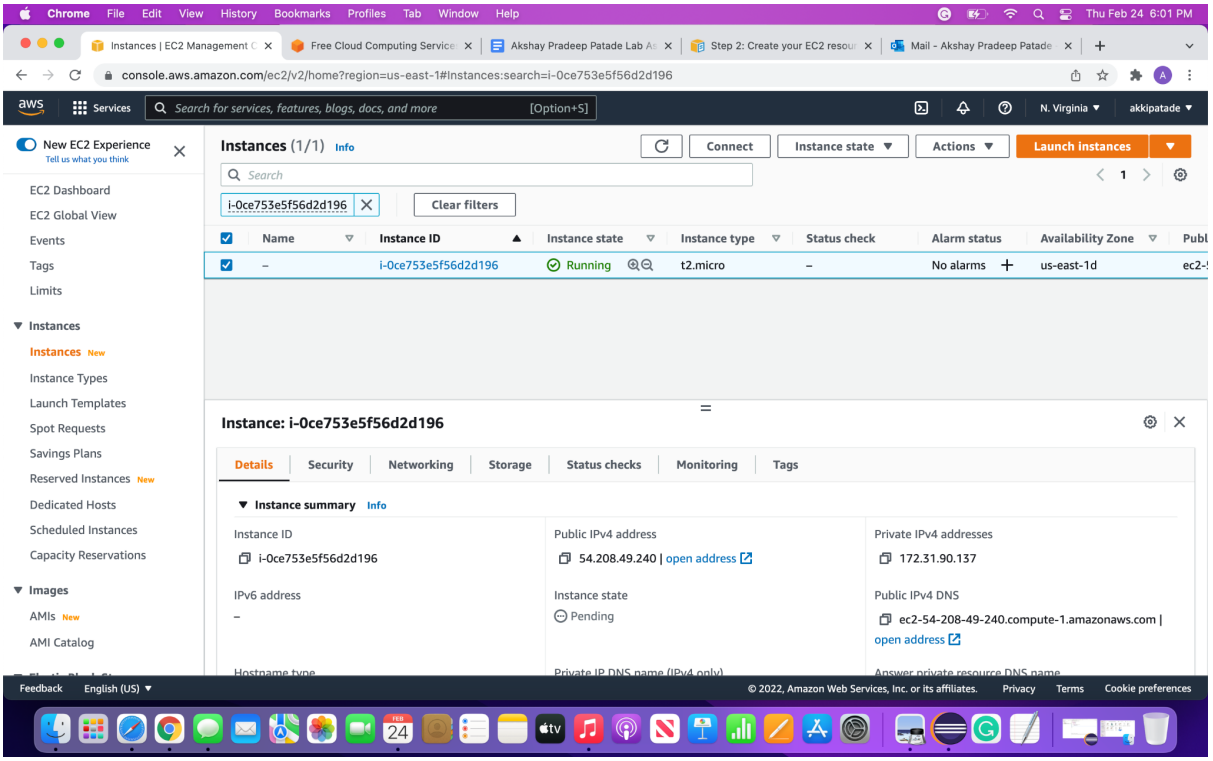
vii. Configure the security group and at the end click on the review and launch button.



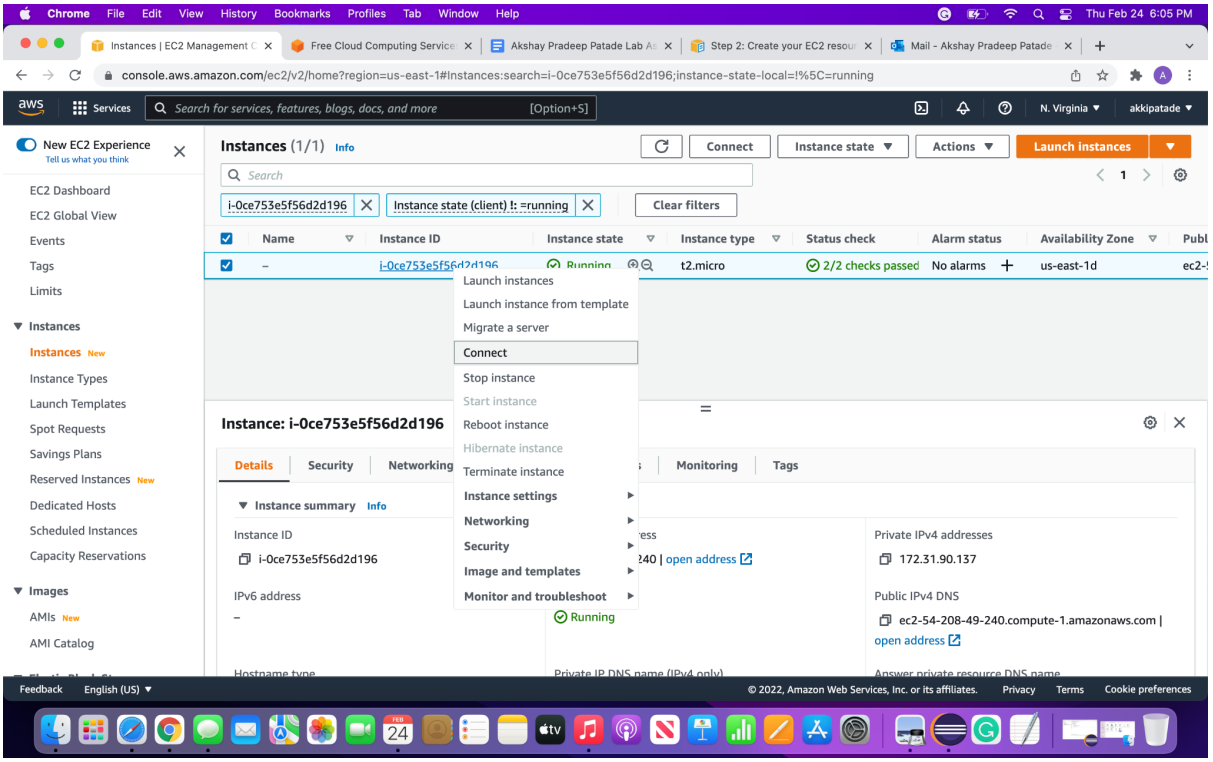
viii. Create a key, download it and select the launch instances button.

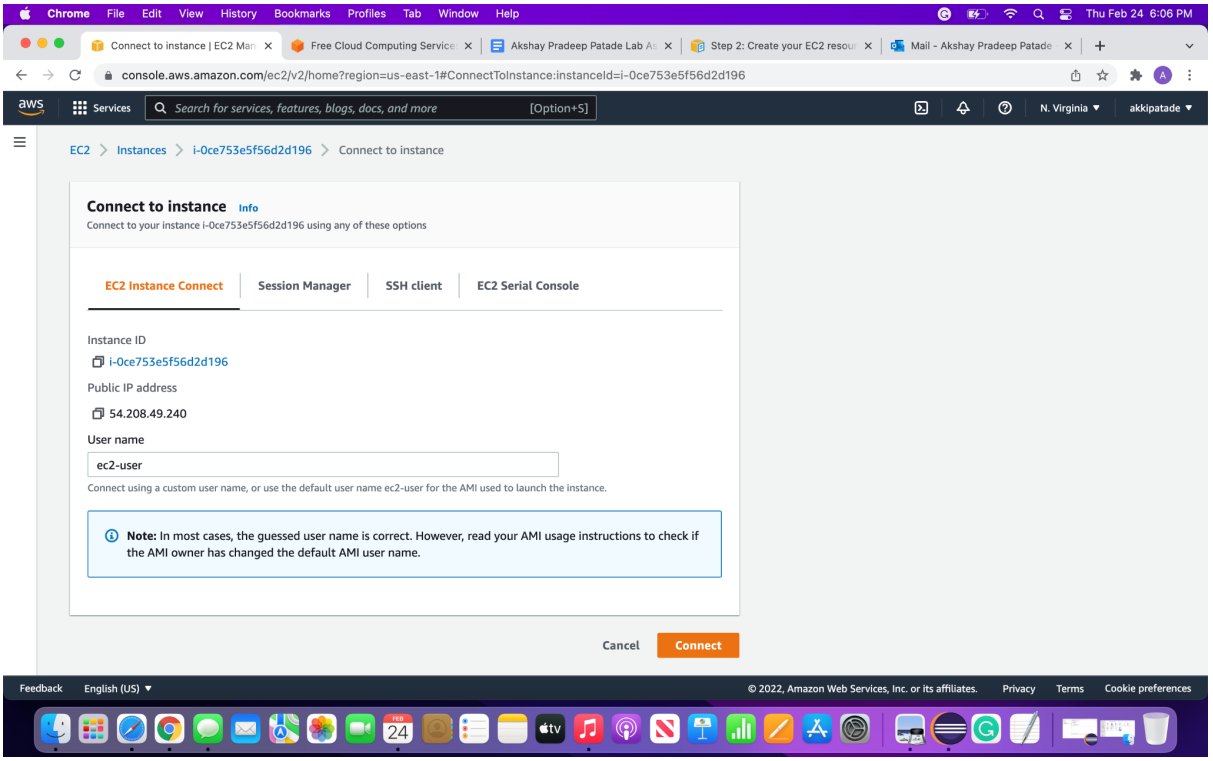


ix. Your instance will be displayed in the running state.



x. To connect to the instance. Right-click on the instance and then select connect.





xi. Execute the commands uname -a, whoami, df -h, ifconfig -a, netstat

uname -a: Returns the information about the operating system, system hardware and the version of the kernel. This command provides the following information.

Linux: Kernel Name

Ip-172-31-90-137.ec2.internal: Network node hostname

5.10.96-90.460.amzn2.x86_64: Kernel Release.

#1 SMP Fri Feb 4 17:12:04 UTC 2022: Kernel Version

X86_64: Machine hardware name

X86_64:Processor type

X86_64: Hardware platform

GNU/Linux: Operating System

whoami: Print the username associated with the effective current user id.

whoami can take two parameters:

whoami –help & whoami –version.

whoami —help: Displays the help message and exit

whoami –version: Displays the version information and exit.

df-h :

This command is typically used to showcase the information of disks such as name, total blocks, total disk space, available disk space, and the mounting points of a file system.

There are various commands associated with df.

df -h command will show the statistics of the disk in the human-readable format i.e it gives the information of the disk in bytes, megabytes, and gigabytes.

df -a command: It is similar to df command. The only difference is that it provides additional information on the dummy file system along with the file system disk usage and memory utilization.

df -k: displays the disk size in kilobytes.

df -m: displays the disk size in megabytes.

df -i : displays the number of used nodes and their percentages for the file system.

Ifconfig -a: It is used to configure and view the status of the network interfaces in the system. The above command displays all the network interfaces, even the interfaces which are down.

ifconfig also have various commands

ifconfig - s: Displays short information about the network.

ifconfig interface up: This command is used to activate the driver for the interface.

ifconfig interface down: This command is used to deactivate the driver for the interface.

ifconfig interface -arp: This command is used to enable or disable the use of arp protocol for a particular interface.

Netstat: This command is used to show open ports on the host device and their corresponding addresses, the routing table, and masquerade connections.

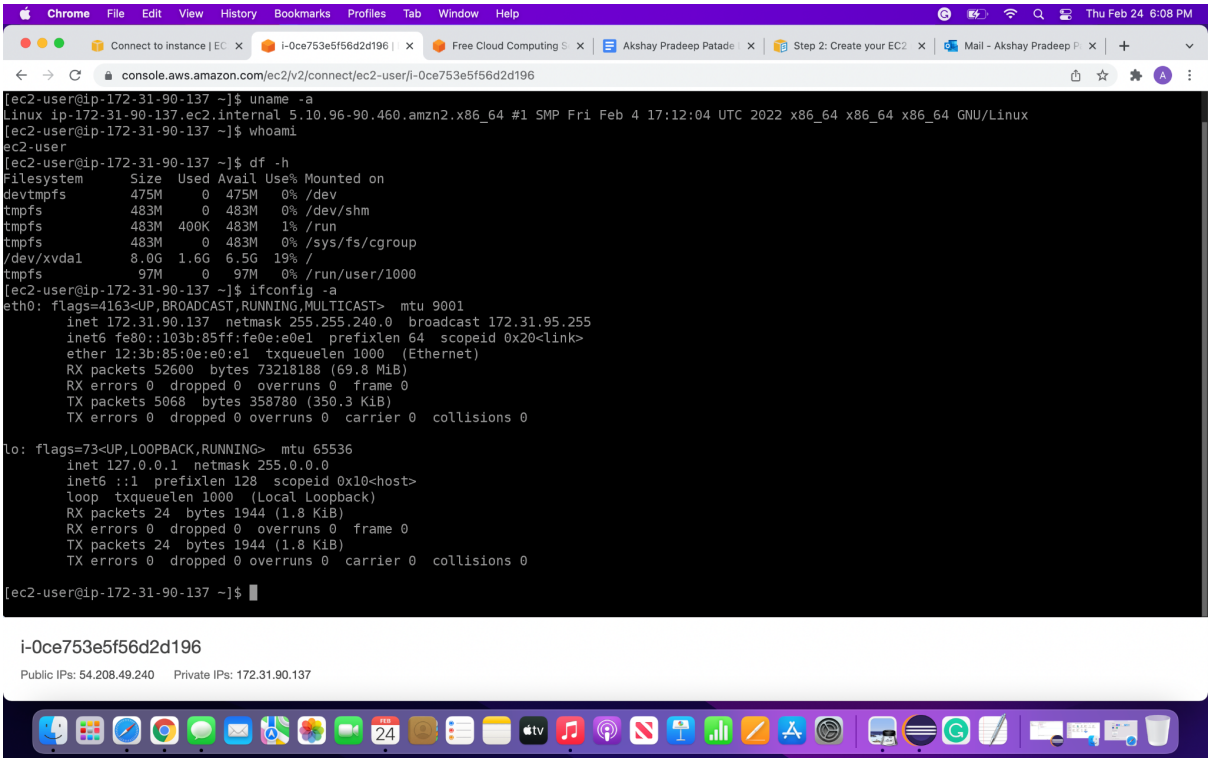
Show both listening and non-listening sockets. With the –interfaces option, show interfaces that are not up.

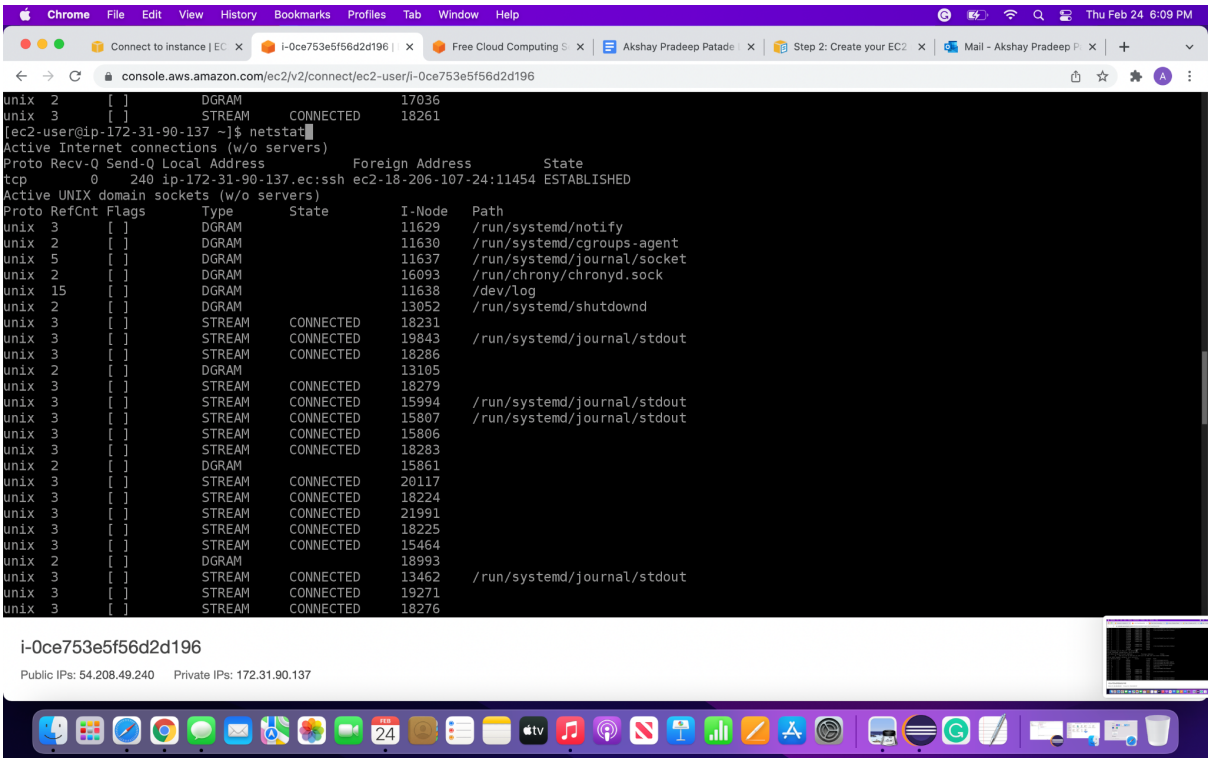
Netstat have other commands.

netstat - b: This command shows the number of network bytes in and out.

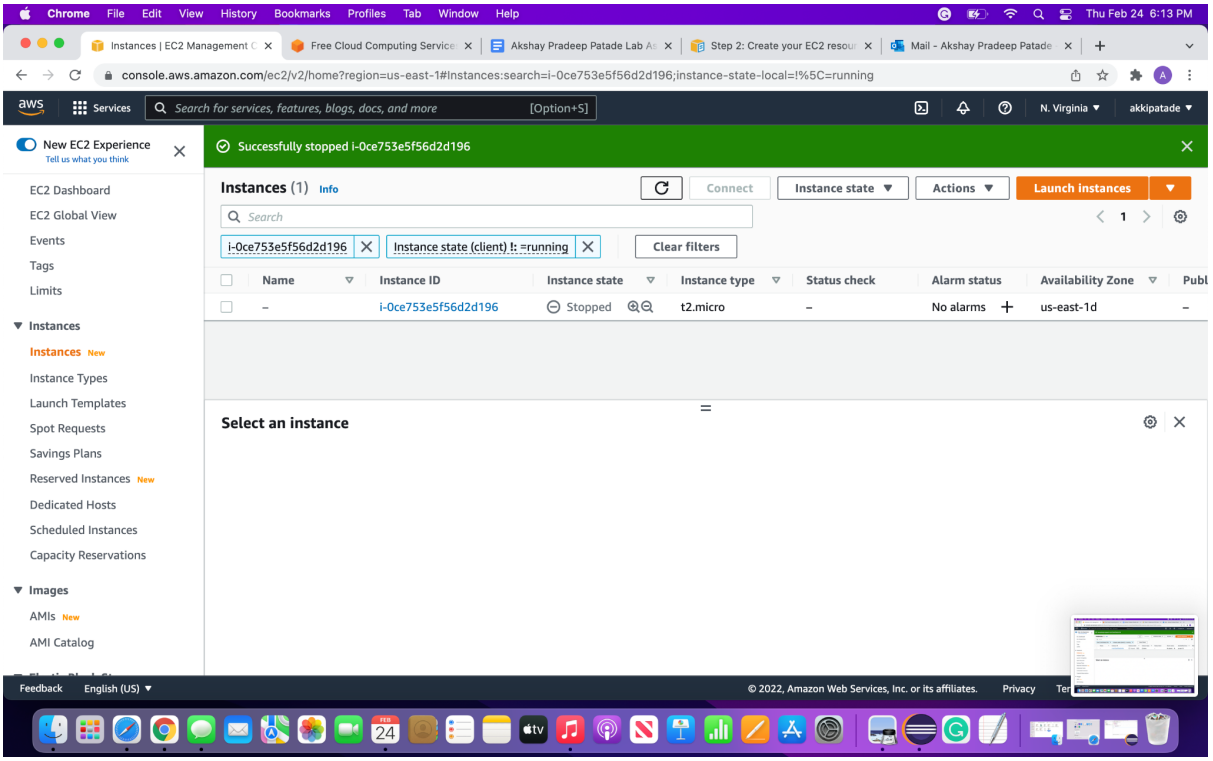
netstat -d: This command displays the number of dropped packets.

netstat -l: Prints the full ipv6 address.

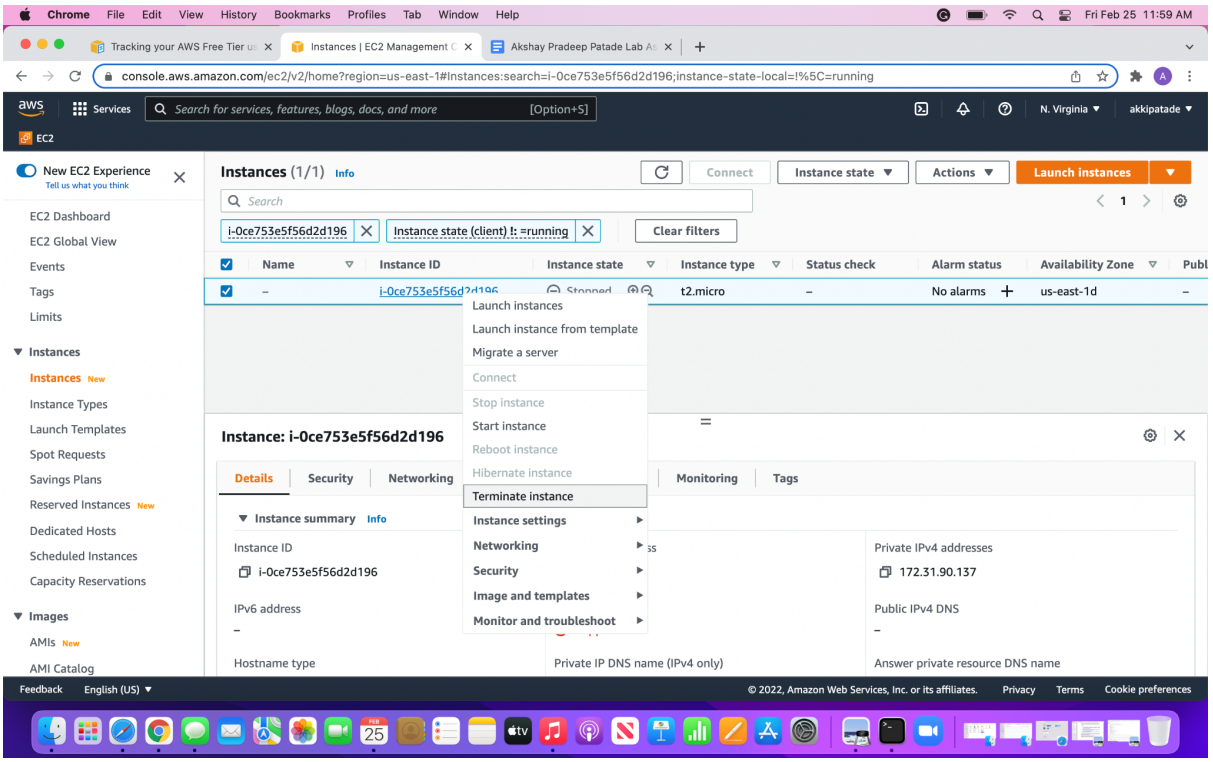


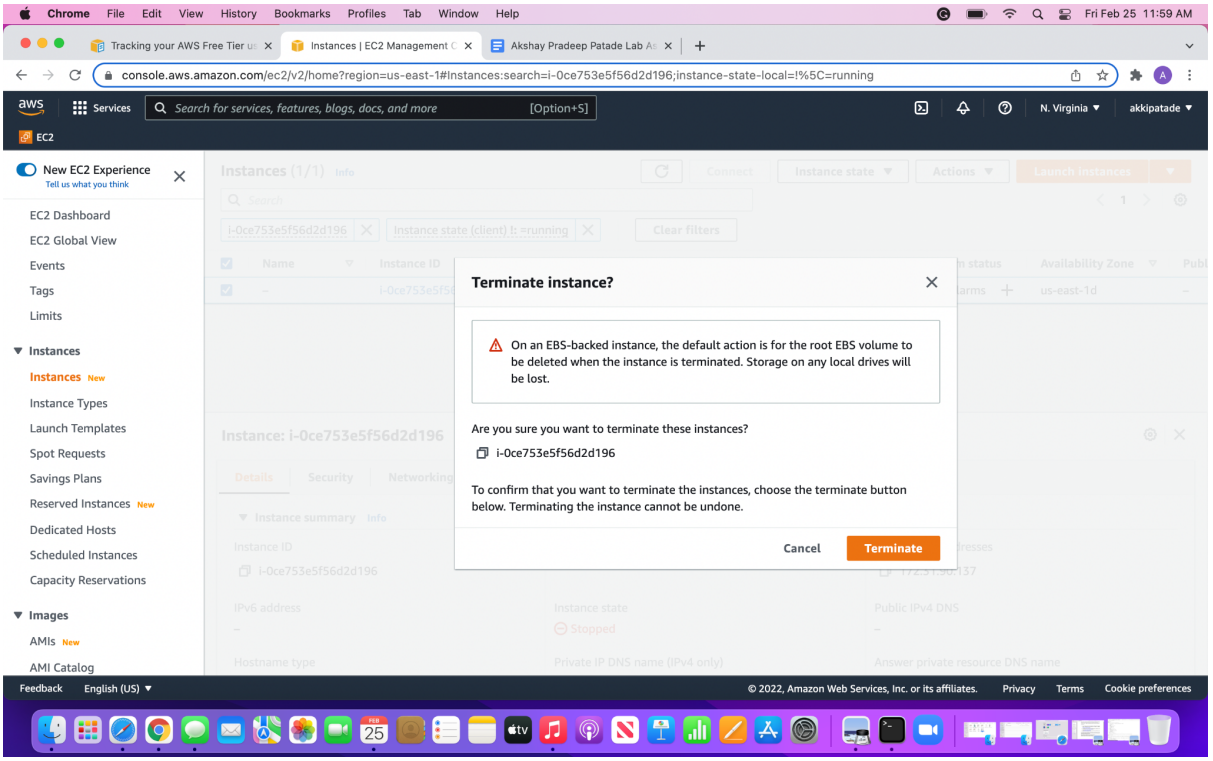


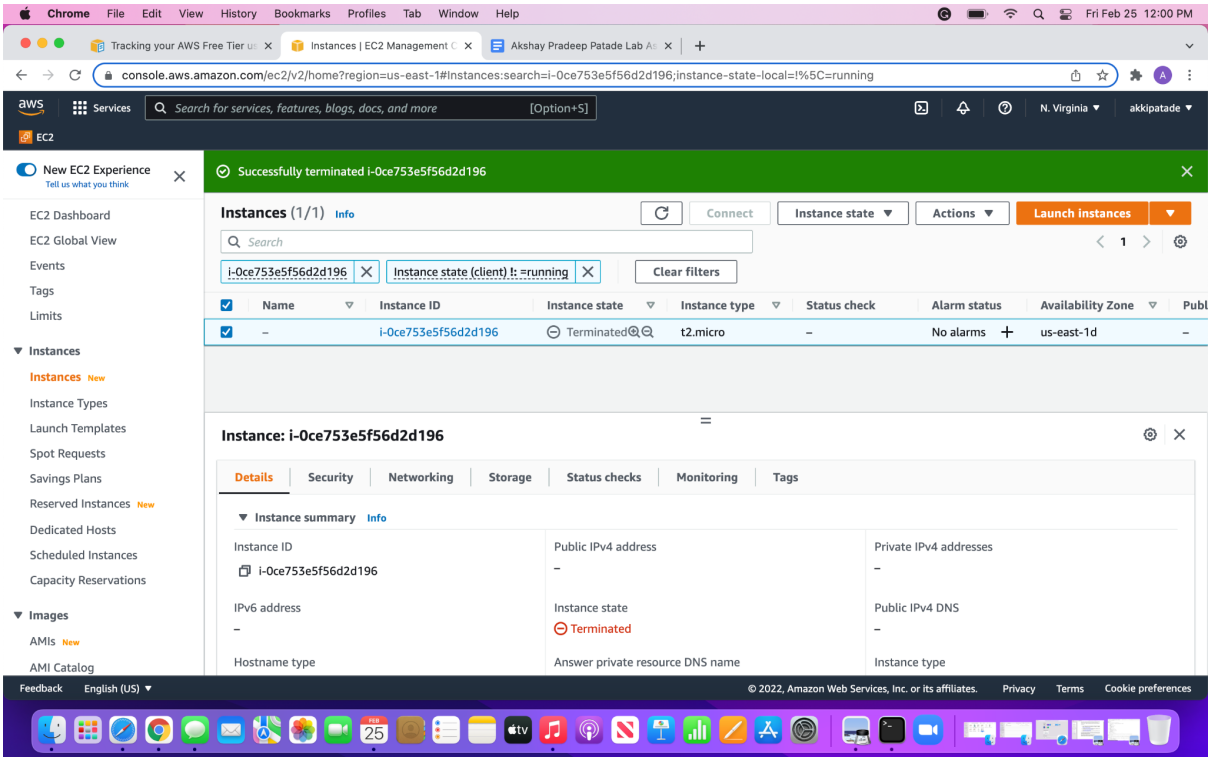
xii. To stop the instance, right-click on the instance and select stop instance.



xiii. To terminate the instance, right-click on the instance and select terminate.




Terminate instance?
On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.
Are you sure you want to terminate these instances?
i-0ce753e5f56d2d196
To confirm that you want to terminate the instances, choose the terminate button below. Terminating the instance cannot be undone.
Cancel
Terminate


Successfully terminated i-0ce753e5f56d2d196
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
i-0ce753e5f56d2d196
Instance state (client) !: =running
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
i-0ce753e5f56d2d196
Terminated
t2.micro
No alarms
us-east-1d
Instance: i-0ce753e5f56d2d196
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-0ce753e5f56d2d196
Public IPv4 address
Private IPv4 addresses
IPv6 address
Instance state
Terminated
Public IPv4 DNS
Hostname type
Answer private resource DNS name
Instance type