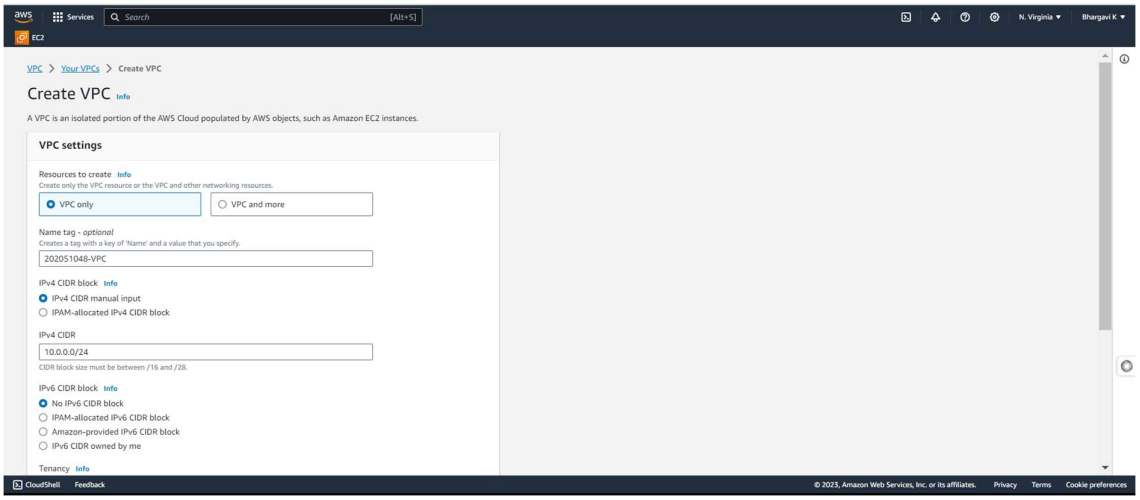
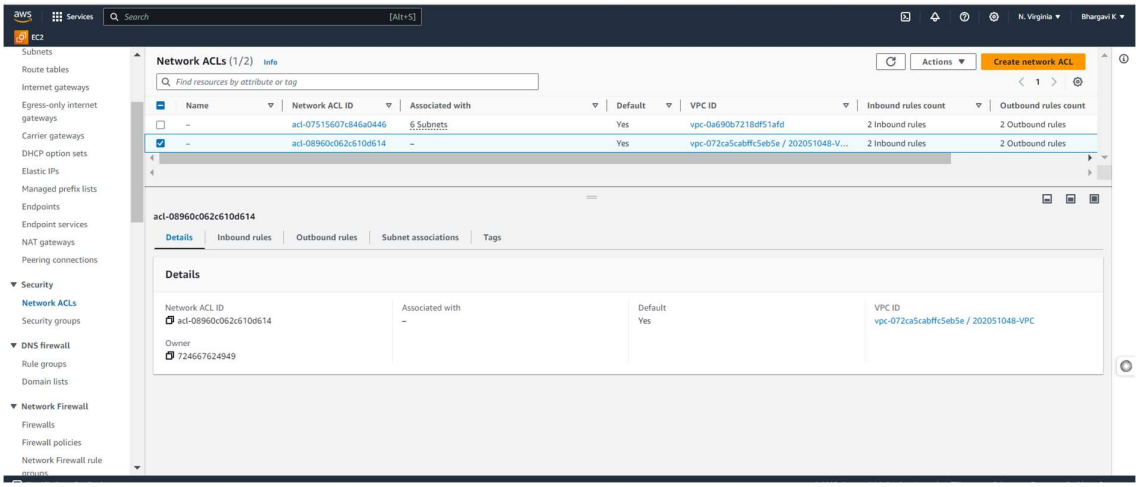
Name: Bhargavi Kamble

Student ID: 202051048

Assessment 8: VPC and Security

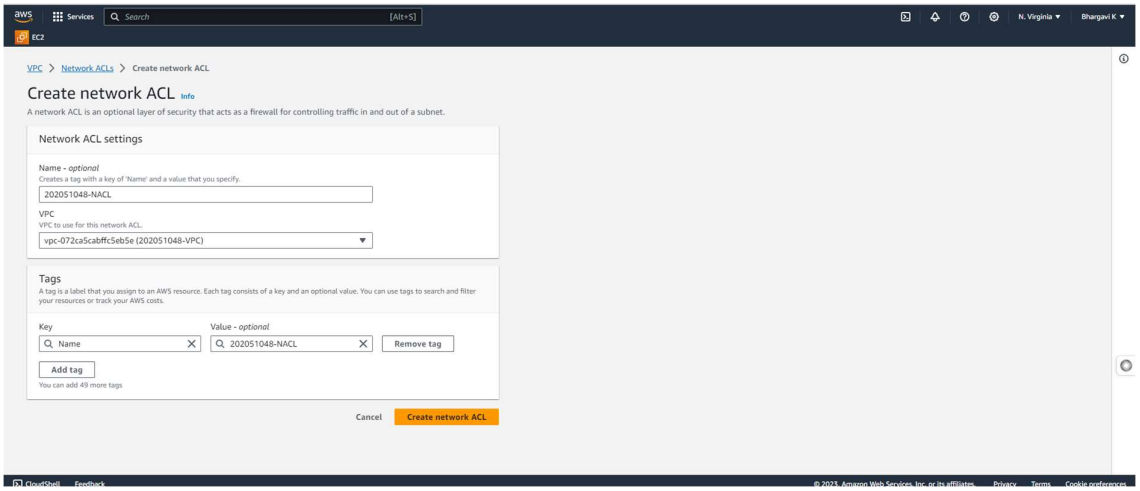
Task 1: Create a default NACL

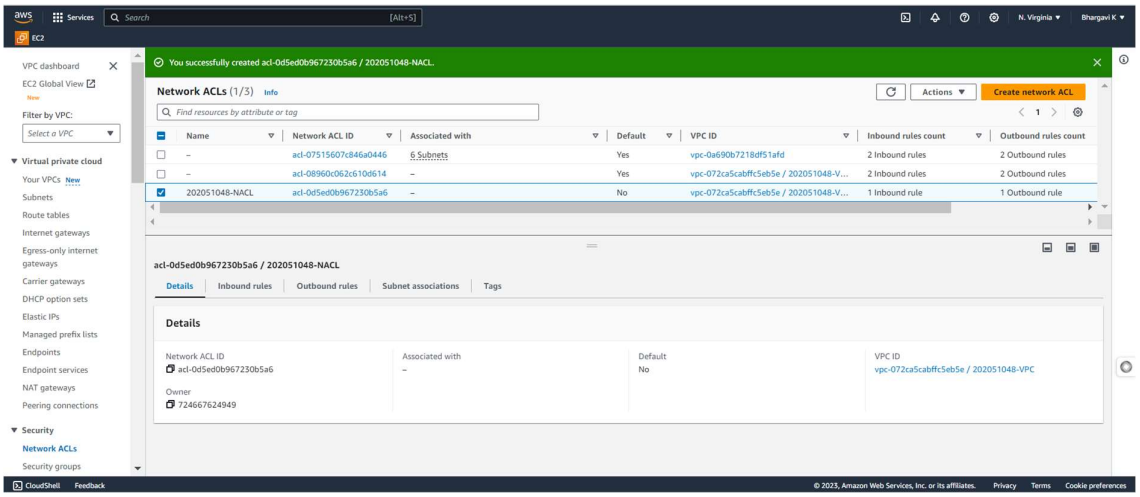


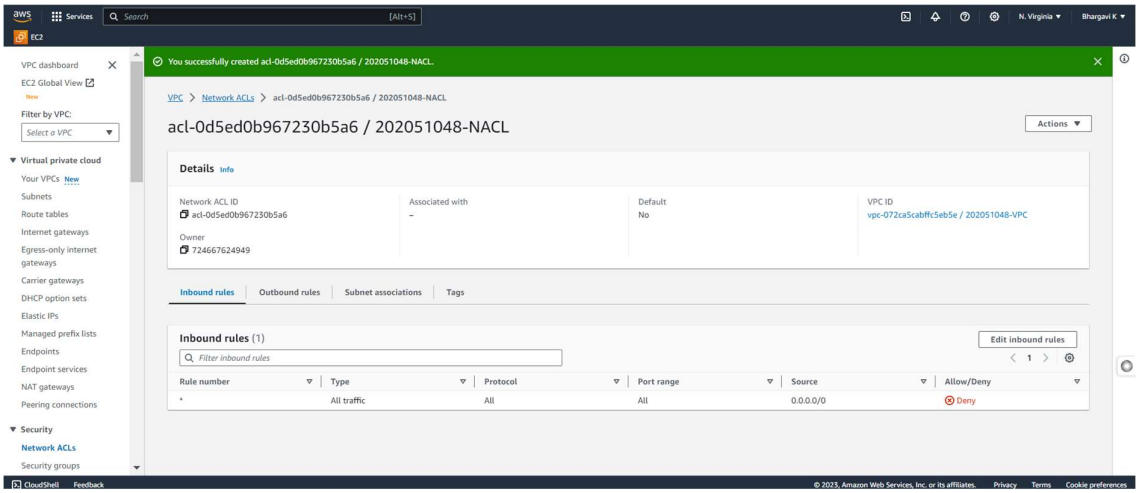


For that we will create a default VPC the default NACL will be created too.

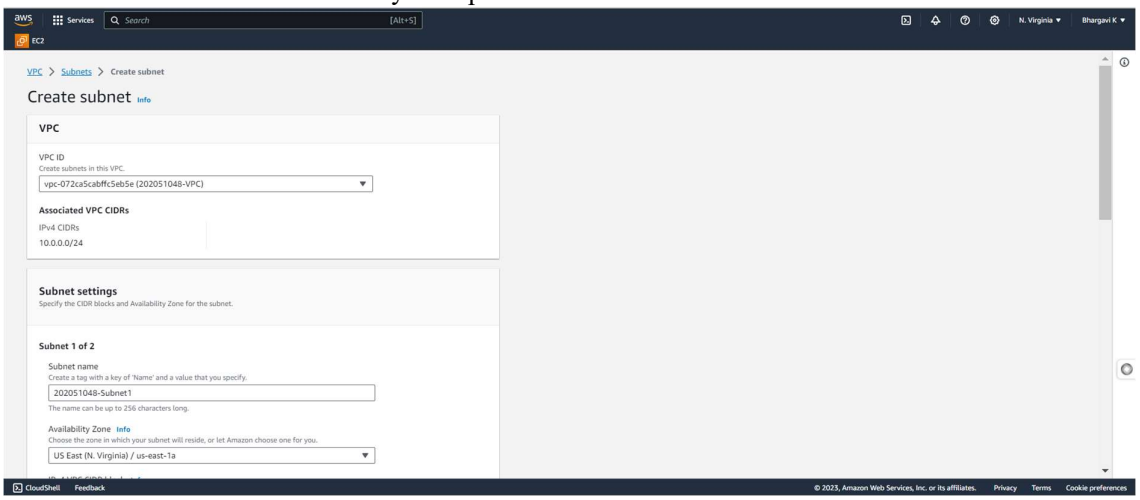
Task 2: Create a custom NACL

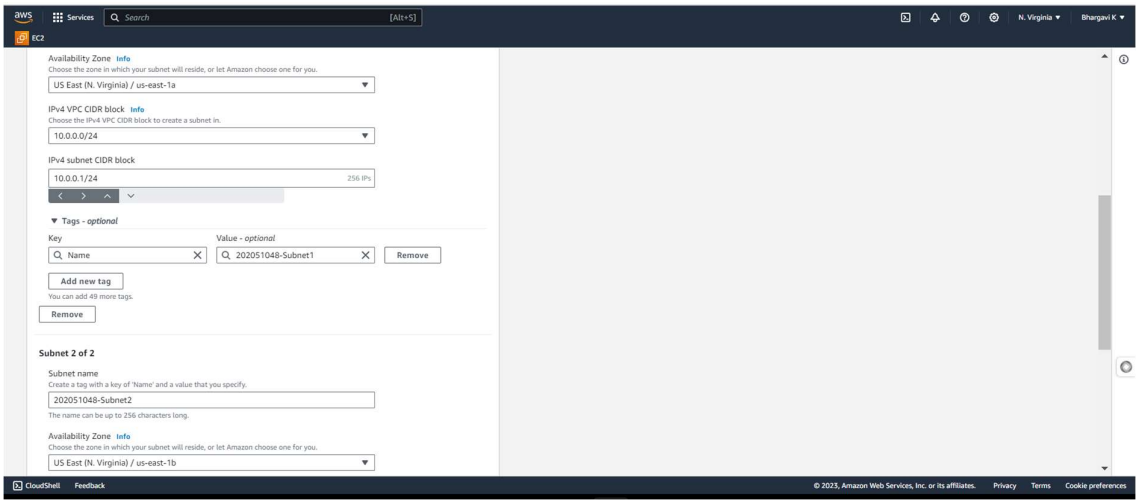


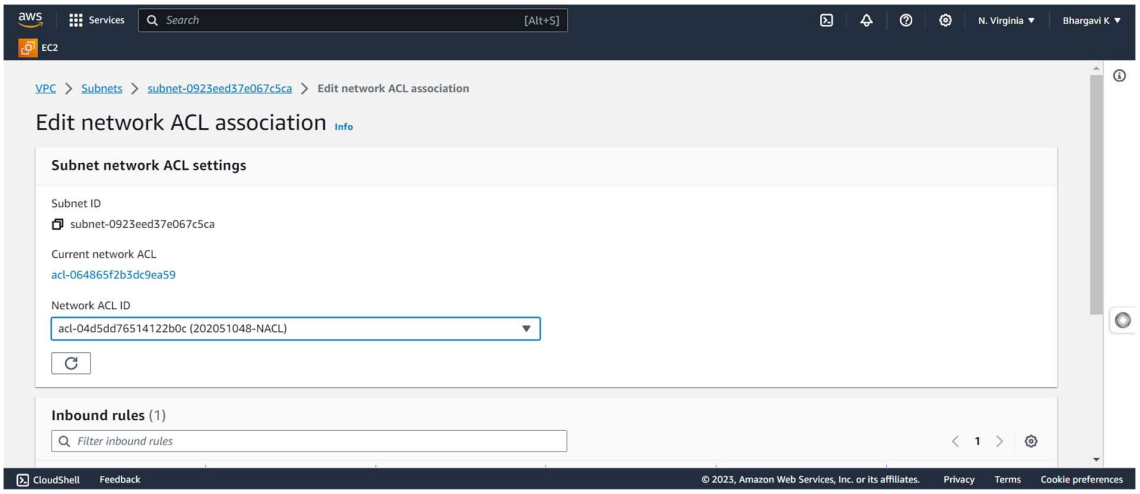


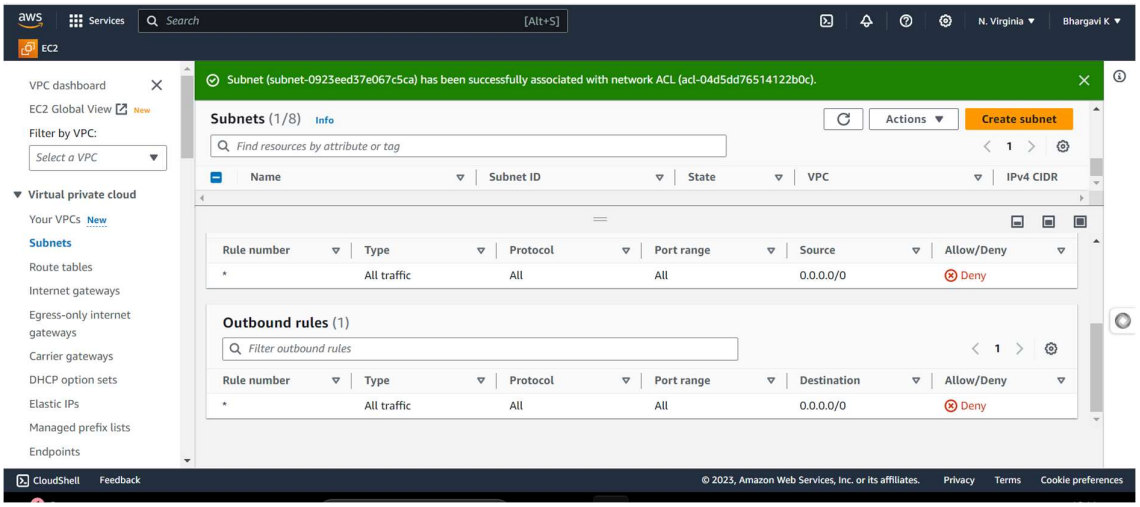


Task 3: Difference between Security Groups and NACLs in terms of Statefulness:








Services
Search
[Alt+S]
N. Virginia
Bhargavi K
EC2
VPC dashboard
EC2 Global View
Filter by VPC:
Select a VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Subnet (subnet-0923eed37e067c5ca) has been successfully associated with network ACL (acl-04d5dd76514122b0c).
Subnets (1/8)
Actions
Create subnet
Find resources by attribute or tag
Name
Subnet ID
State
VPC
IPv4 CIDR
Rule number
Type
Protocol
Port range
Source
Allow/Deny
All traffic
All
0.0.0.0/0
Deny
Outbound rules (1)
Filter outbound rules
Destination
CloudShell
Feedback
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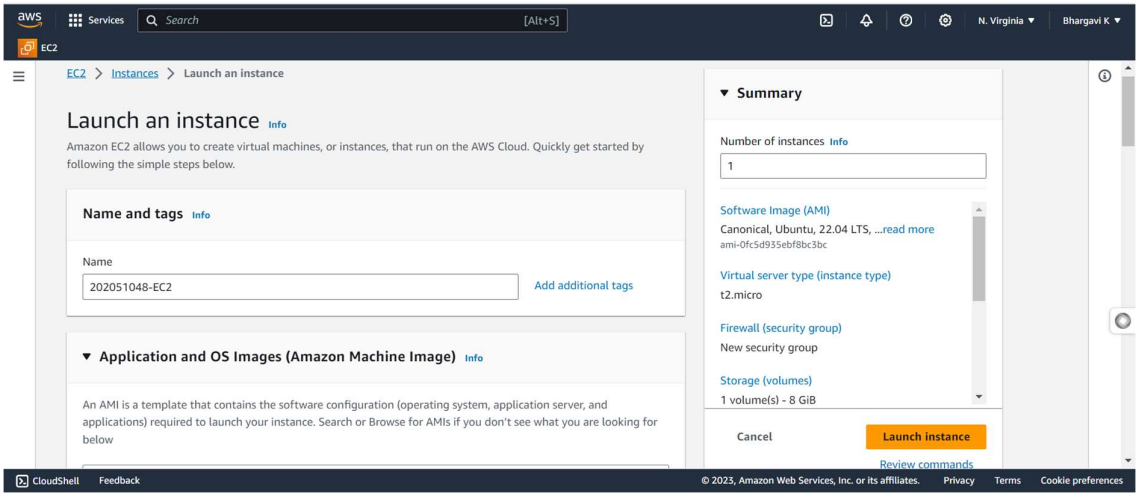
Services
Search
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EC2
EC2 > Instances > Launch an instance
Launch an instance
Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.
Name and tags
Name
202051048-EC2
Add additional tags
Application and OS Images (Amazon Machine Image)
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Summary
Number of instances
1
Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-0fc5d935ebf8bc3bc
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Review commands
CloudShell
Feedback
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Privacy
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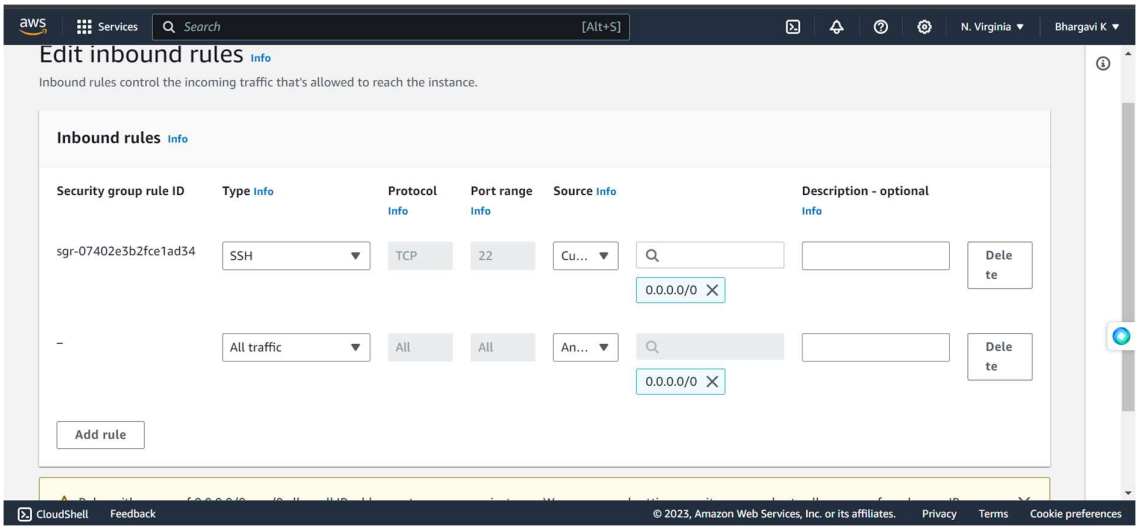
Services
Search
[Alt+S]
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Edit inbound rules
Inbound rules control the incoming traffic that's allowed to reach the instance.
Inbound rules
Security group rule ID
Type
Protocol
Port range
Source
Description - optional
sgr-07402e3b2fce1ad34
SSH
TCP
22
Cu...
0.0.0.0/0
Delete
All traffic
All
An...
Add rule
CloudShell
Feedback
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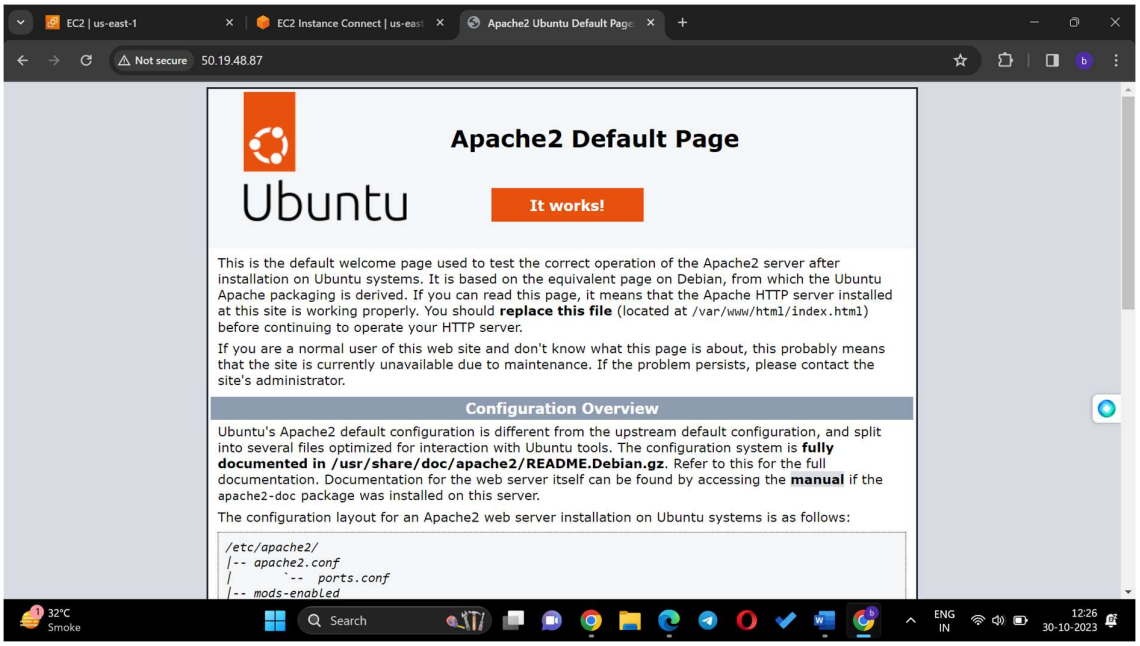
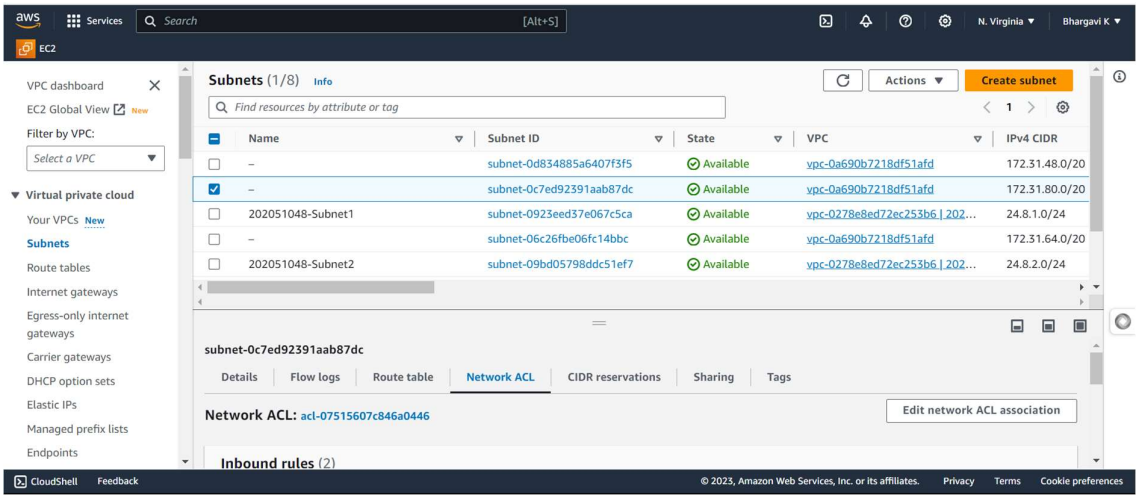
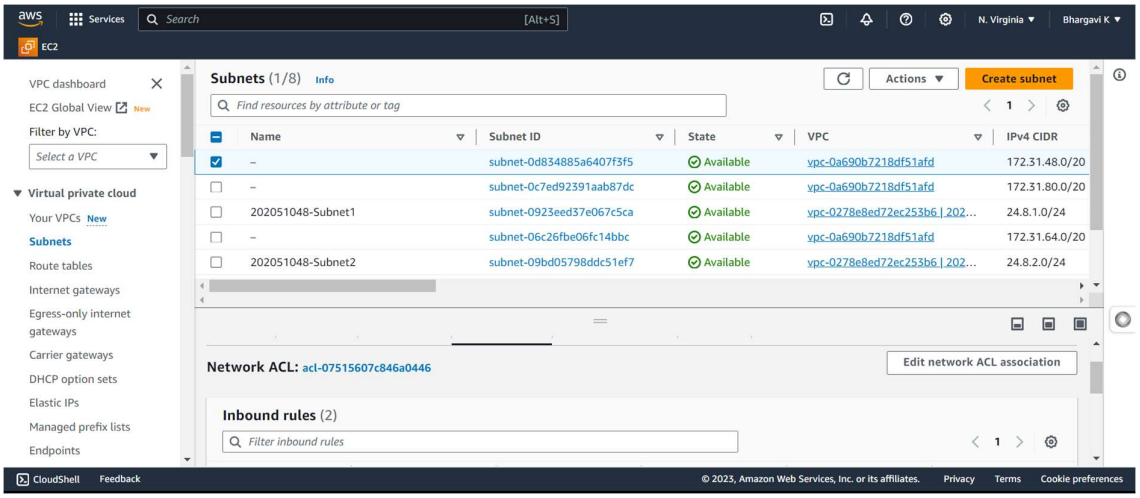


For security groups both in bound and out bound rules are working.

For NACL the traffic needs to be changed it'll not work.





Same nacl for two subnets