Problem Statement:

Working for an organization, you are required to provide them a safe and secure environment for the deployment of their resources. They might require different types of connectivity. Implement the following to fulfill the requirements of the company.

Tasks To Be Performed:

1. Create 2 VPCs in the North Virginia region named MYVPC1 and MYVPC2
2. Create one VPC in the Oregon region named VPCOregon1
3. Create a peering connection between MYVPC1 and MYVPC2
4. Create a peering connection between MYVPC2 and VPCOregon1

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CreateVpc | VPC Console | Start Course | Intellipaat | Start Course | Intellipaat

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#CreateVpc:createMode=vpcOnly

aws Services Search [Option+S] N. Virginia rsujithsri16@gmail.com

EC2

VPC > Your VPCs > Create VPC

Create VPC Info

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.

VPC settings

Resources to create Info

Create only the VPC resource or the VPC and other networking resources.

- (•) VPC only
- ( ) VPC and more

Name tag - *optional*

Creates a tag with a key of 'Name' and a value that you specify.

my-vpc-01

IPv4 CIDR block Info

- (•) IPv4 CIDR manual input
- ( ) IPAM-allocated IPv4 CIDR block

IPv4 CIDR

120.0.0.0/16

CIDR block size must be between /16 and /28.

IPv6 CIDR block Info

- (•) No IPv6 CIDR block
- ( ) IPAM-allocated IPv6 CIDR block
- ( ) Amazon-provided IPv6 CIDR block
- ( ) IPv6 CIDR owned by me

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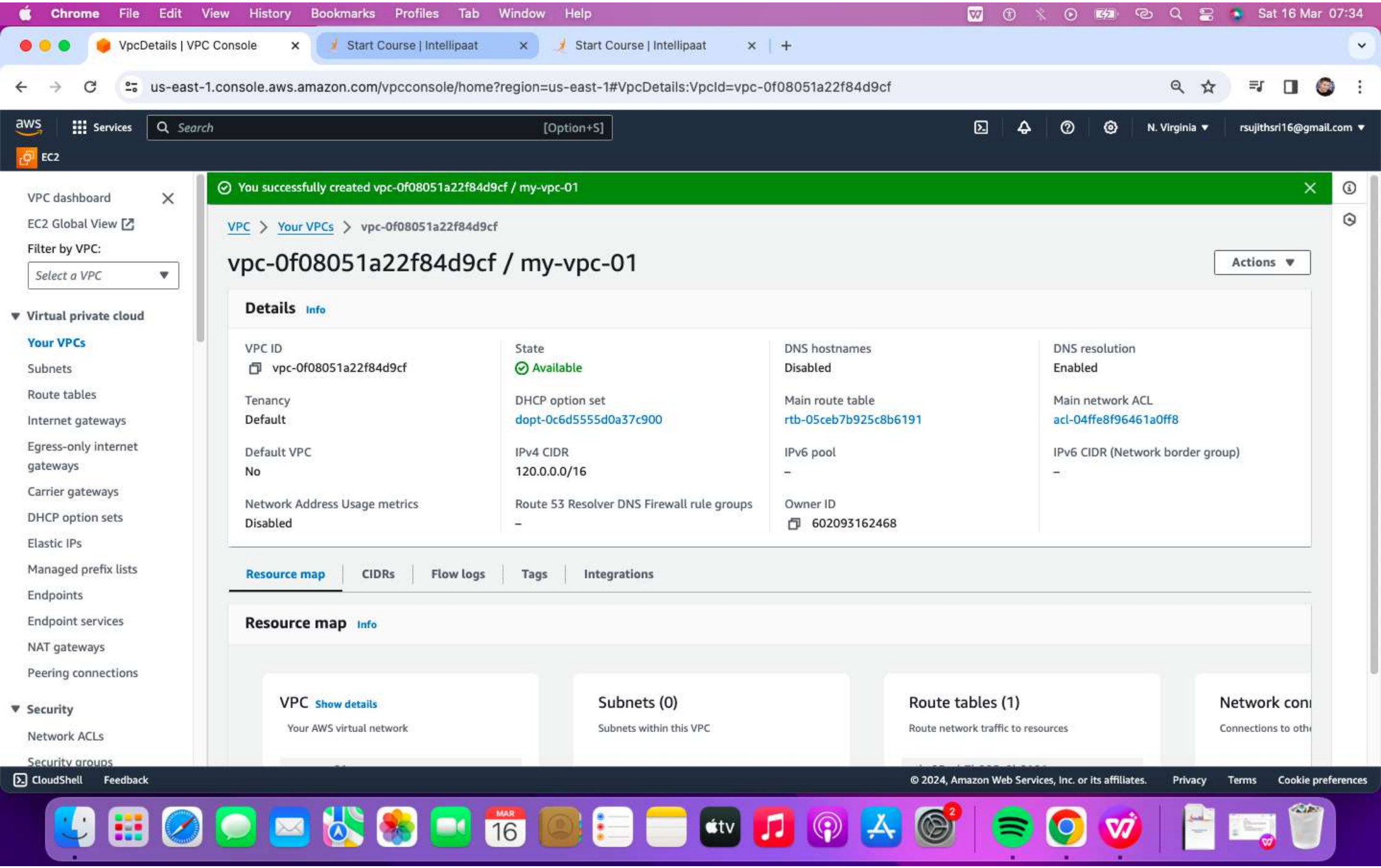
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 07:34
VpcDetails | VPC Console
Start Course | Intellipaat
Start Course | Intellipaat
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#VpcDetails:VpcId=vpc-0f08051a22f84d9cf
Services
Search
[Option+5]
N. Virginia
rsujithsri16@gmail.com
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
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
You successfully created vpc-0f08051a22f84d9cf / my-vpc-01
VPC > Your VPCs > vpc-0f08051a22f84d9cf
vpc-0f08051a22f84d9cf / my-vpc-01
Actions
Details Info
VPC ID
vpc-0f08051a22f84d9cf
State
Available
DNS hostnames
Disabled
DNS resolution
Enabled
Tenancy
Default
DHCP option set
dopt-0c6d5555d0a37c900
Main route table
rtb-05ceb7b925c8b6191
Main network ACL
acl-04ffe8f96461a0ff8
Default VPC
No
IPv4 CIDR
120.0.0.0/16
IPv6 pool
–
IPv6 CIDR (Network border group)
–
Network Address Usage metrics
Disabled
Route 53 Resolver DNS Firewall rule groups
–
Owner ID
602093162468
Resource map
CIDRs
Flow logs
Tags
Integrations
Resource map Info
VPC Show details
Your AWS virtual network
Subnets (0)
Subnets within this VPC
Route tables (1)
Route network traffic to resources
Network con
Connections to oth
CloudShell
Feedback
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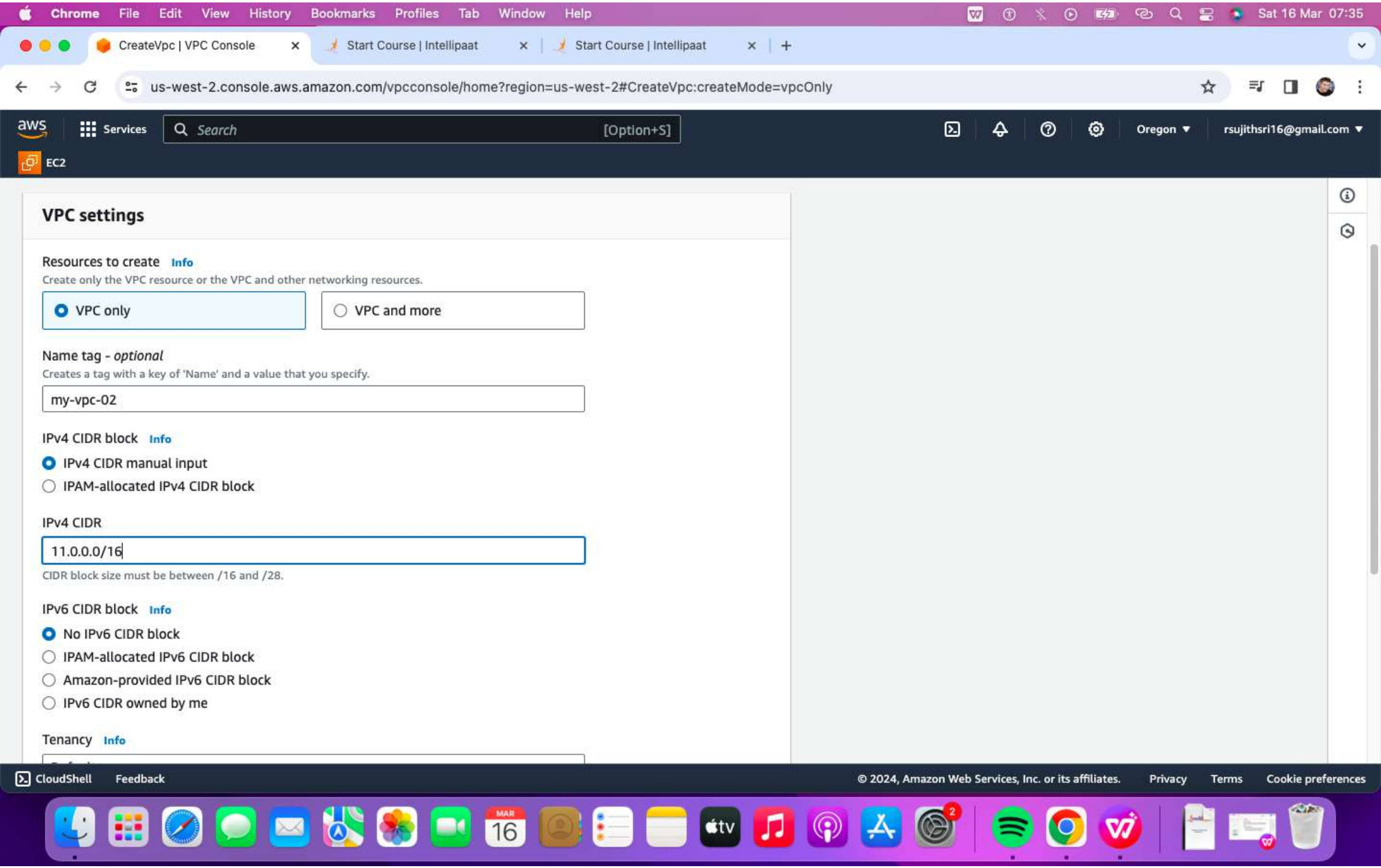
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 07:35
CreateVpc | VPC Console
Start Course | Intellipaat
Start Course | Intellipaat
us-west-2.console.aws.amazon.com/vpcconsole/home?region=us-west-2#CreateVpc:createMode=vpcOnly
aws
Services
Search
[Option+S]
Oregon
rsujithsri16@gmail.com
EC2
VPC settings
Resources to create Info
Create only the VPC resource or the VPC and other networking resources.
VPC only
VPC and more
Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify.
my-vpc-02
IPv4 CIDR block Info
IPv4 CIDR manual input
IPAM-allocated IPv4 CIDR block
IPv4 CIDR
11.0.0.0/16
CIDR block size must be between /16 and /28.
IPv6 CIDR block Info
No IPv6 CIDR block
IPAM-allocated IPv6 CIDR block
Amazon-provided IPv6 CIDR block
IPv6 CIDR owned by me
Tenancy Info
CloudShell
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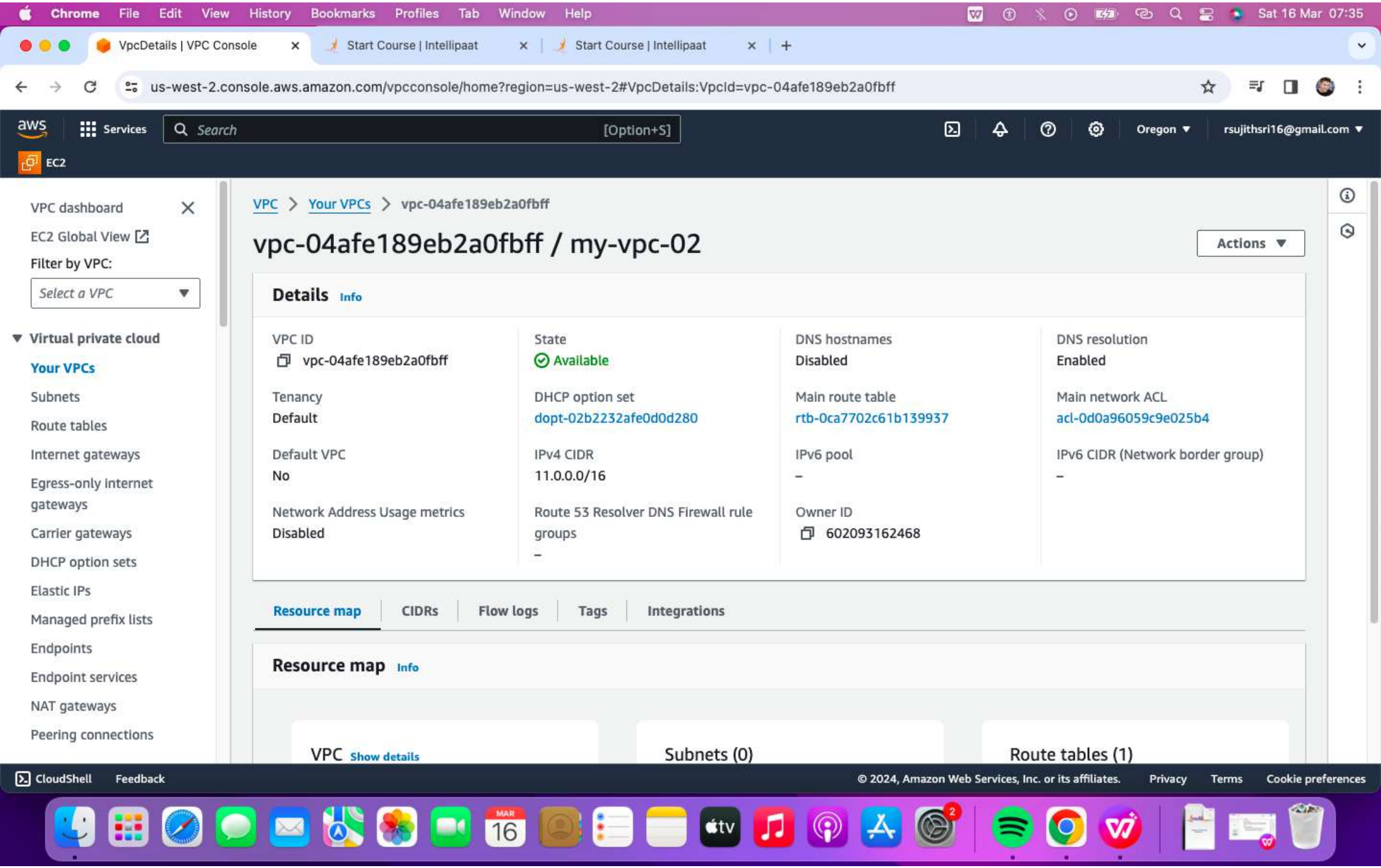
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 07:35
VpcDetails | VPC Console
Start Course | Intellipaat
Start Course | Intellipaat
us-west-2.console.aws.amazon.com/vpcconsole/home?region=us-west-2#VpcDetails:VpcId=vpc-04afe189eb2a0fbff
aws
Services
Search
[Option+S]
Oregon
rsujithsri16@gmail.com
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
Endpoint services
NAT gateways
Peering connections
VPC > Your VPCs > vpc-04afe189eb2a0fbff
vpc-04afe189eb2a0fbff / my-vpc-02
Actions
Details Info
VPC ID
vpc-04afe189eb2a0fbff
State
Available
DNS hostnames
Disabled
DNS resolution
Enabled
Tenancy
Default
DHCP option set
dopt-02b2232afe0d0d280
Main route table
rtb-0ca7702c61b139937
Main network ACL
acl-0d0a96059c9e025b4
Default VPC
No
IPv4 CIDR
11.0.0.0/16
IPv6 pool
–
IPv6 CIDR (Network border group)
–
Network Address Usage metrics
Disabled
Route 53 Resolver DNS Firewall rule groups
–
Owner ID
602093162468
Resource map
CIDRs
Flow logs
Tags
Integrations
Resource map Info
VPC Show details
Subnets (0)
Route tables (1)
CloudShell
Feedback
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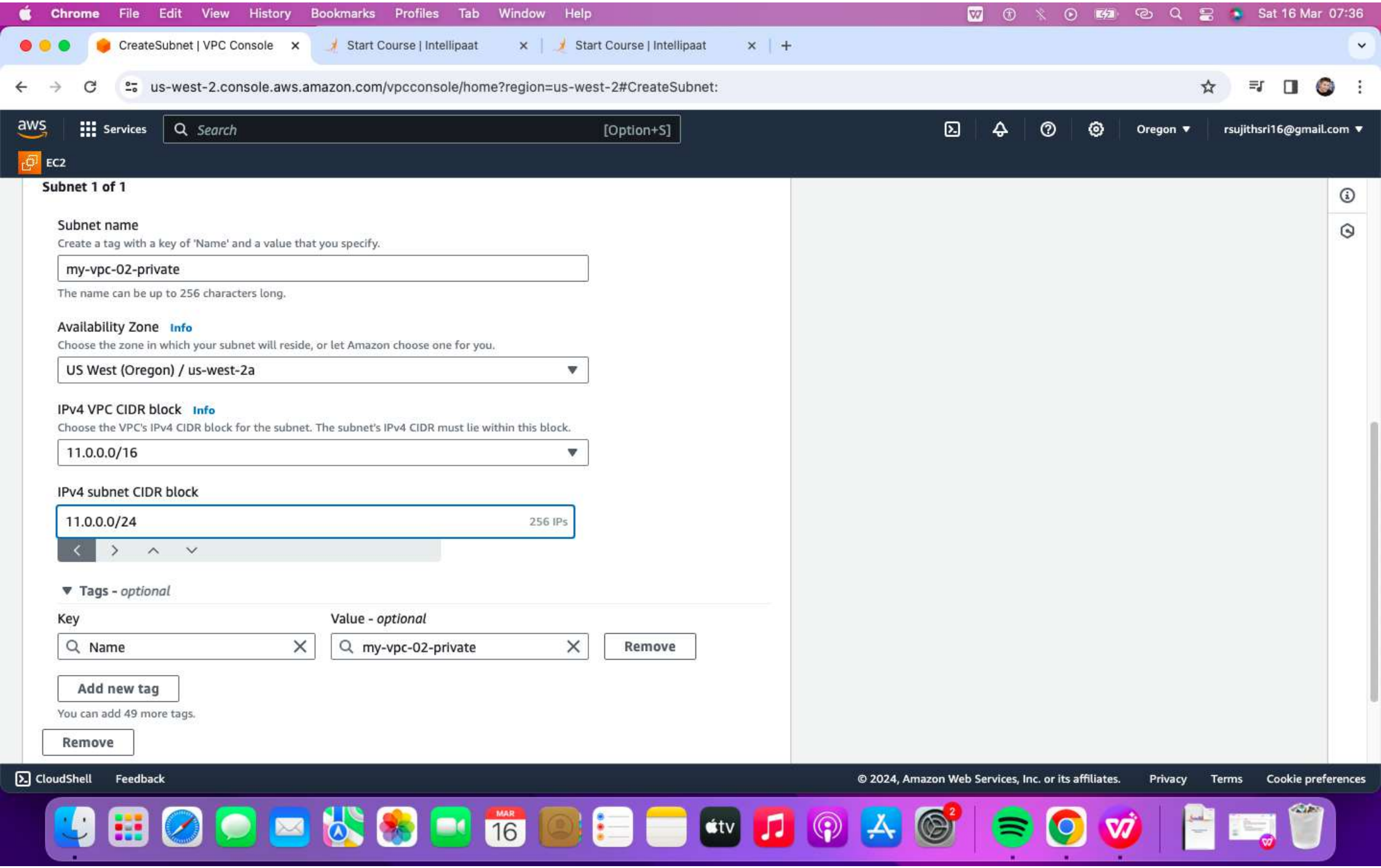
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 07:36
CreateSubnet | VPC Console
Start Course | Intellipaat
Start Course | Intellipaat
us-west-2.console.aws.amazon.com/vpcconsole/home?region=us-west-2#CreateSubnet:
aws
Services
Search
[Option+S]
Oregon
rsujithsri16@gmail.com
EC2
Subnet 1 of 1
Subnet name
Create a tag with a key of 'Name' and a value that you specify.
my-vpc-02-private
The name can be up to 256 characters long.
Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
US West (Oregon) / us-west-2a
IPv4 VPC CIDR block Info
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
11.0.0.0/16
IPv4 subnet CIDR block
11.0.0.0/24
256 IPs
Tags - optional
Key
Value - optional
Name
my-vpc-02-private
Remove
Add new tag
You can add 49 more tags.
Remove
CloudShell
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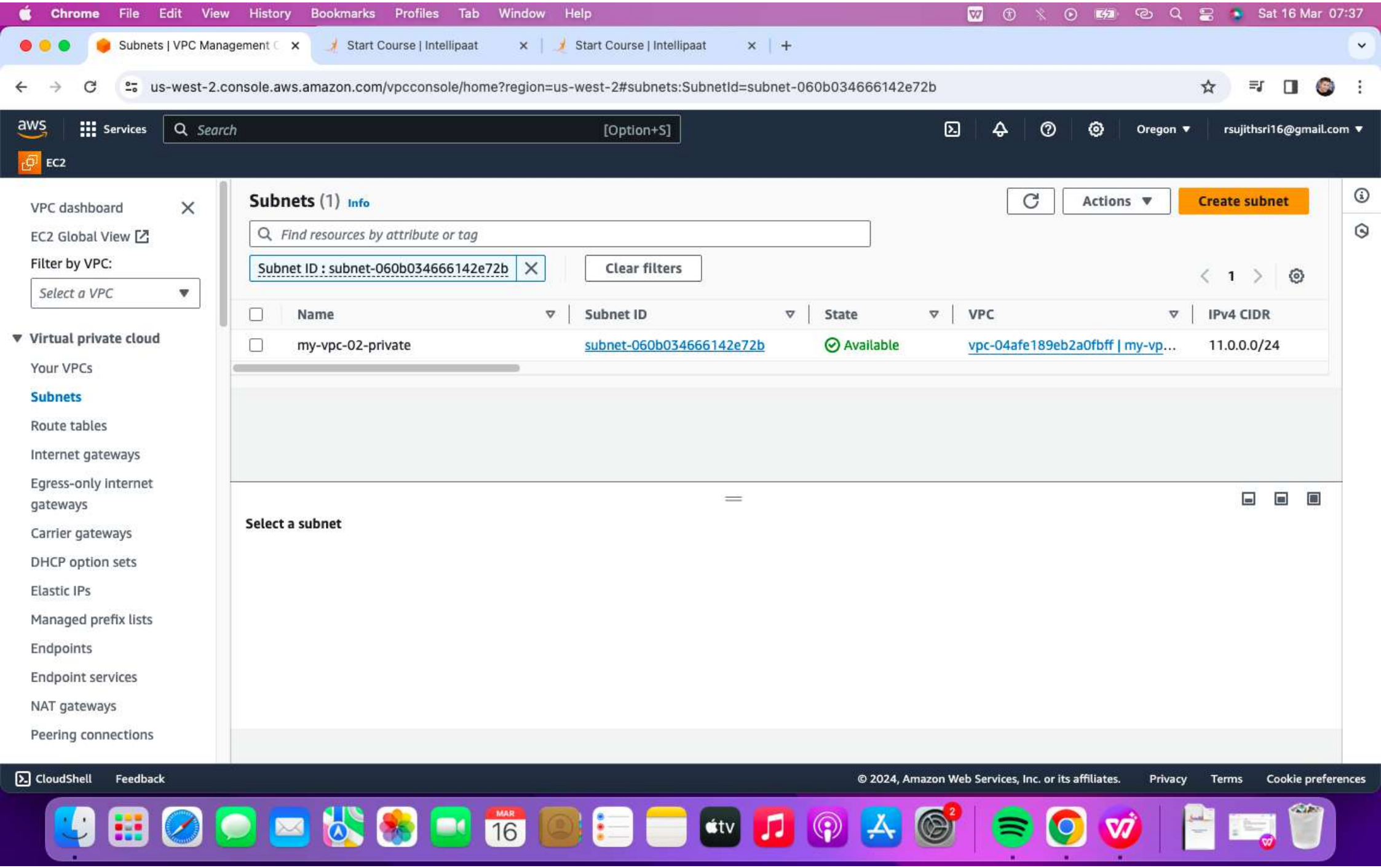
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 07:37
Subnets | VPC Management
Start Course | Intellipaat
Start Course | Intellipaat
us-west-2.console.aws.amazon.com/vpcconsole/home?region=us-west-2#subnets:SubnetId=subnet-060b034666142e72b
aws
Services
Search
[Option+S]
Oregon
rsujithsri16@gmail.com
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
Endpoint services
NAT gateways
Peering connections
Subnets (1) Info
Actions
Create subnet
Find resources by attribute or tag
Subnet ID : subnet-060b034666142e72b
Clear filters
1
Name
Subnet ID
State
VPC
IPv4 CIDR
my-vpc-02-private
subnet-060b034666142e72b
Available
vpc-04afe189eb2a0fbff | my-vp...
11.0.0.0/24
Select a subnet
CloudShell
Feedback
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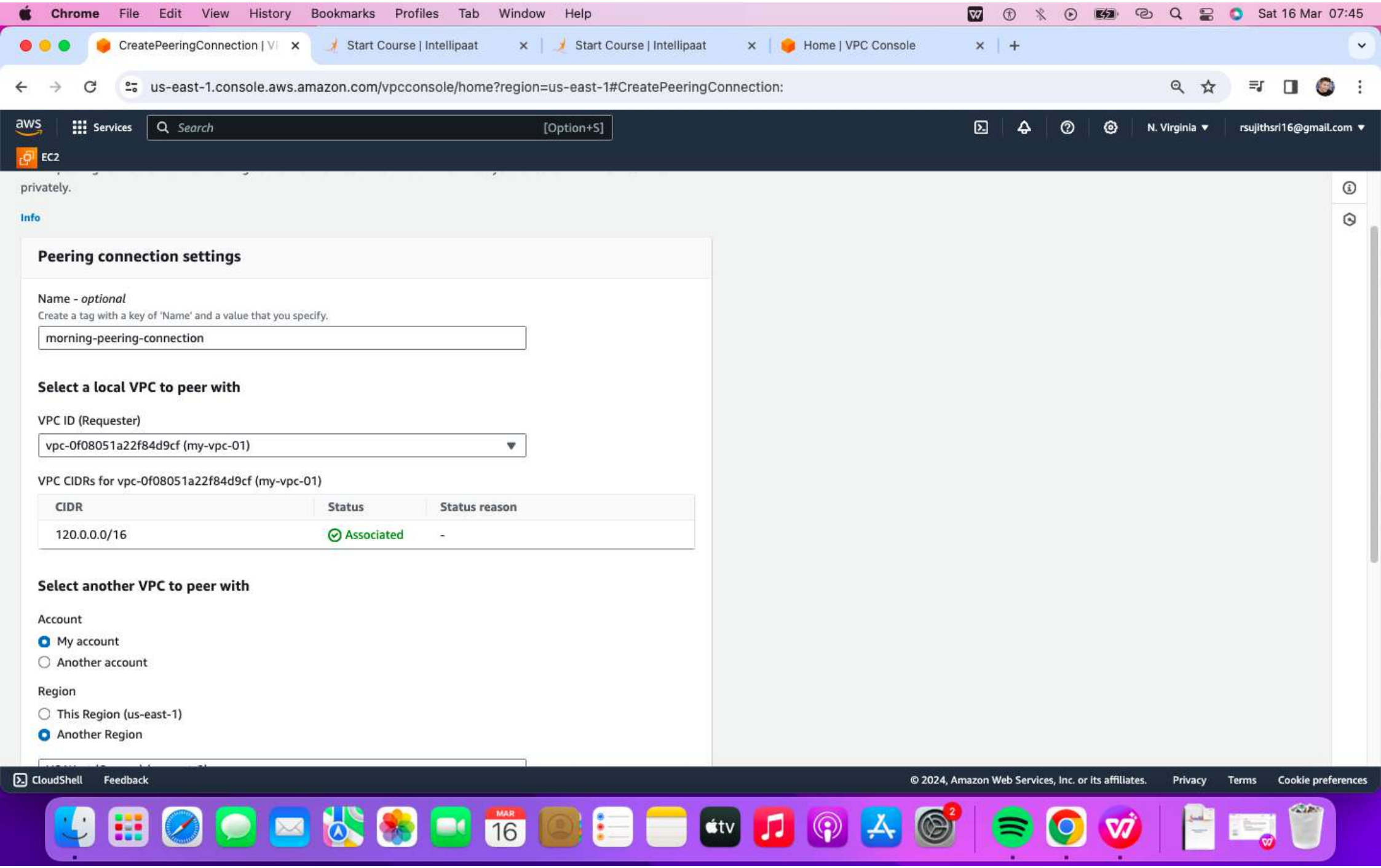
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 07:45
CreatePeeringConnection | VI
Start Course | Intellipaat
Start Course | Intellipaat
Home | VPC Console
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#CreatePeeringConnection:
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
privately.
Info
Peering connection settings
Name - optional
Create a tag with a key of 'Name' and a value that you specify.
morning-peering-connection
Select a local VPC to peer with
VPC ID (Requester)
vpc-0f08051a22f84d9cf (my-vpc-01)
VPC CIDRs for vpc-0f08051a22f84d9cf (my-vpc-01)
CIDR
Status
Status reason
120.0.0.0/16
Associated
-
Select another VPC to peer with
Account
My account
Another account
Region
This Region (us-east-1)
Another Region
CloudShell
Feedback
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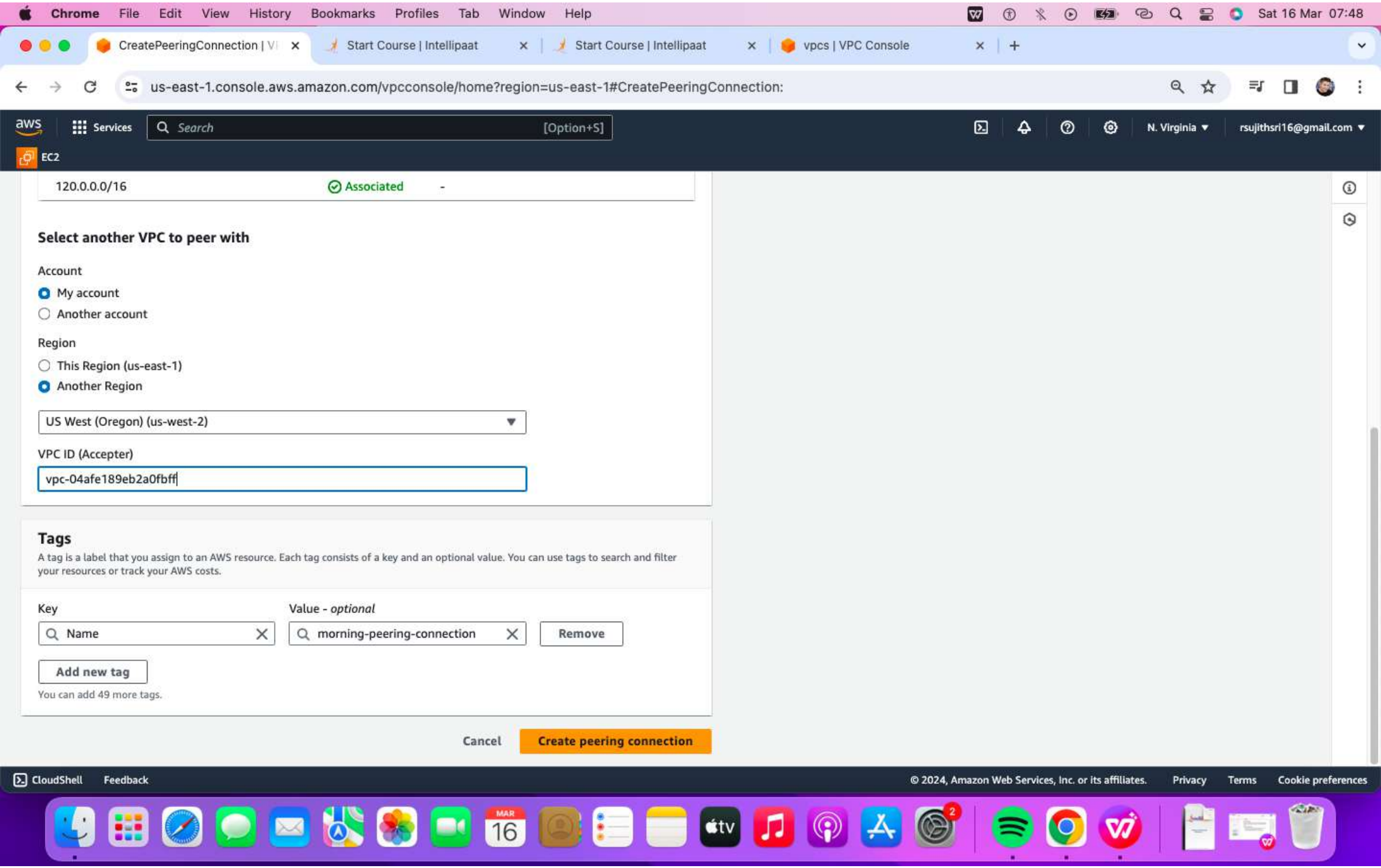
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 07:48
CreatePeeringConnection | VI
Start Course | Intellipaat
Start Course | Intellipaat
vpcs | VPC Console
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#CreatePeeringConnection:
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
120.0.0.0/16
Associated
-
Select another VPC to peer with
Account
My account
Another account
Region
This Region (us-east-1)
Another Region
US West (Oregon) (us-west-2)
VPC ID (Accepter)
vpc-04afe189eb2a0fbff
Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.
Key
Value - optional
Name
morning-peering-connection
Remove
Add new tag
You can add 49 more tags.
Cancel
Create peering connection
CloudShell
Feedback
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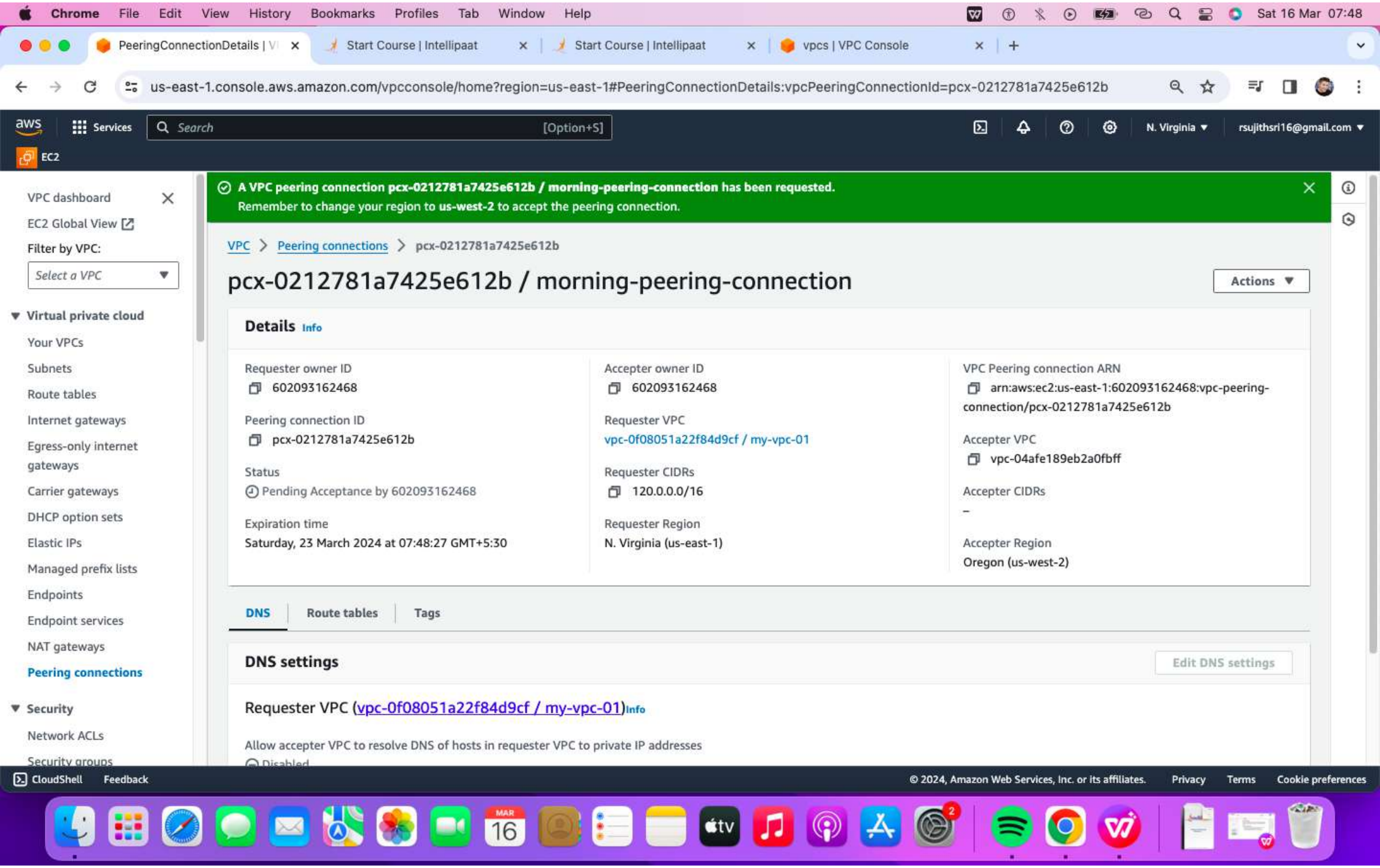
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 07:48
PeeringConnectionDetails | V
Start Course | Intellipaat
Start Course | Intellipaat
vpcs | VPC Console
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#PeeringConnectionDetails:vpcPeeringConnectionId=pcx-0212781a7425e612b
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
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
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
A VPC peering connection pcx-0212781a7425e612b / morning-peering-connection has been requested.
Remember to change your region to us-west-2 to accept the peering connection.
VPC > Peering connections > pcx-0212781a7425e612b
pcx-0212781a7425e612b / morning-peering-connection
Actions
Details Info
Requester owner ID
602093162468
Peering connection ID
pcx-0212781a7425e612b
Status
Pending Acceptance by 602093162468
Expiration time
Saturday, 23 March 2024 at 07:48:27 GMT+5:30
Accepter owner ID
602093162468
Requester VPC
vpc-0f08051a22f84d9cf / my-vpc-01
Requester CIDRs
120.0.0.0/16
Requester Region
N. Virginia (us-east-1)
VPC Peering connection ARN
arn:aws:ec2:us-east-1:602093162468:vpc-peering-connection/pcx-0212781a7425e612b
Accepter VPC
vpc-04afe189eb2a0fbff
Accepter CIDRs
–
Accepter Region
Oregon (us-west-2)
DNS
Route tables
Tags
DNS settings
Edit DNS settings
Requester VPC (vpc-0f08051a22f84d9cf / my-vpc-01) Info
Allow accepter VPC to resolve DNS of hosts in requester VPC to private IP addresses
Disabled
CloudShell
Feedback
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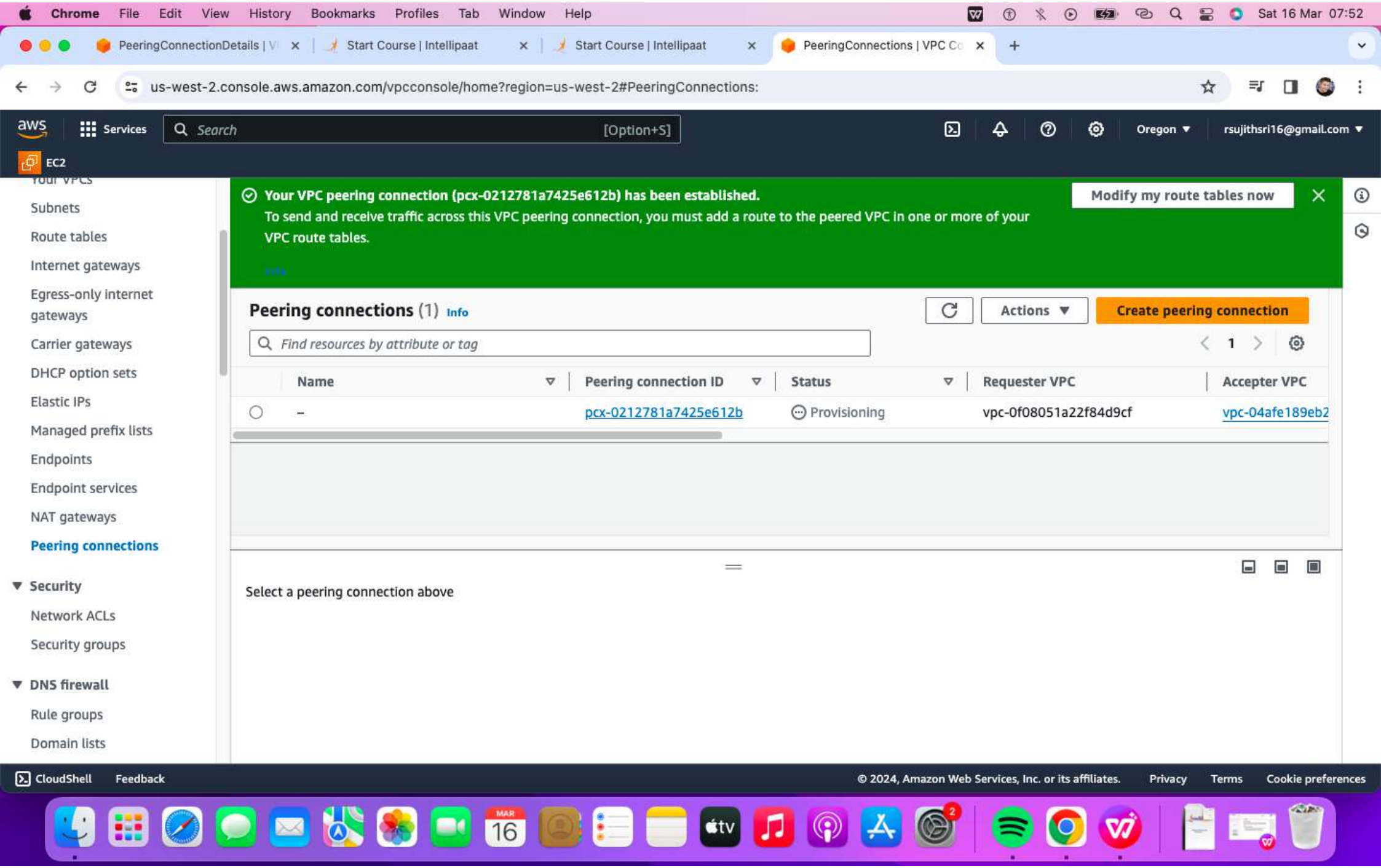
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 07:52
PeeringConnectionDetails | V
Start Course | Intellipaat
Start Course | Intellipaat
PeeringConnections | VPC Co
us-west-2.console.aws.amazon.com/vpcconsole/home?region=us-west-2#PeeringConnections:
aws
Services
Search
[Option+S]
Oregon
rsujithsri16@gmail.com
EC2
Subnets
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
DNS firewall
Rule groups
Domain lists
Your VPC peering connection (pcx-0212781a7425e612b) has been established.
To send and receive traffic across this VPC peering connection, you must add a route to the peered VPC in one or more of your VPC route tables.
Modify my route tables now
Peering connections (1) Info
Actions
Create peering connection
Find resources by attribute or tag
Name
Peering connection ID
Status
Requester VPC
Accepter VPC
–
pcx-0212781a7425e612b
Provisioning
vpc-0f08051a22f84d9cf
vpc-04afe189eb2
Select a peering connection above
CloudShell
Feedback
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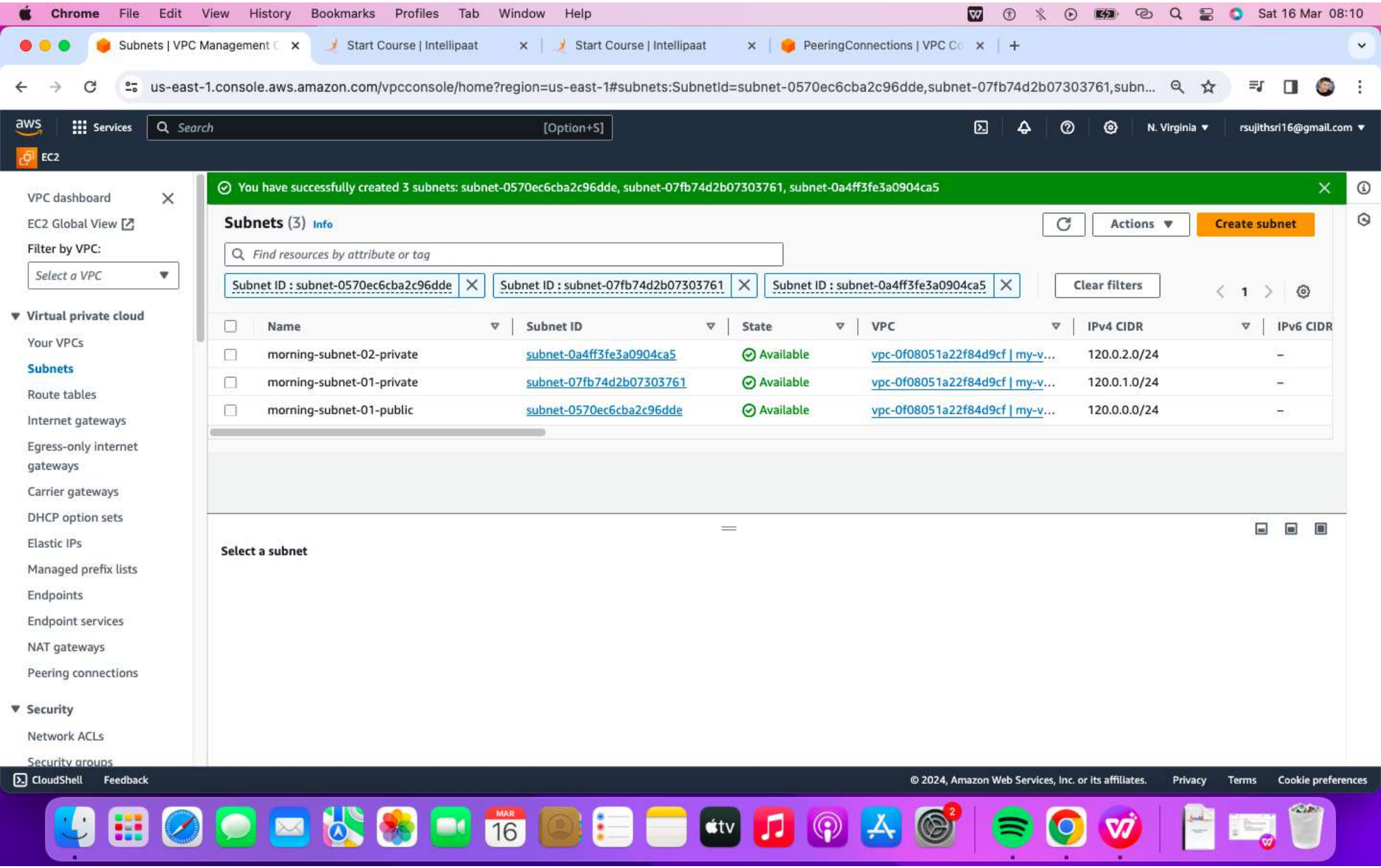
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 08:10
Subnets | VPC Management
Start Course | Intellipaat
Start Course | Intellipaat
PeeringConnections | VPC Co
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#subnets:SubnetId=subnet-0570ec6cba2c96dde,subnet-07fb74d2b07303761,subn...
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
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
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
You have successfully created 3 subnets: subnet-0570ec6cba2c96dde, subnet-07fb74d2b07303761, subnet-0a4ff3fe3a0904ca5
Subnets (3) Info
Actions
Create subnet
Find resources by attribute or tag
Subnet ID : subnet-0570ec6cba2c96dde
Subnet ID : subnet-07fb74d2b07303761
Subnet ID : subnet-0a4ff3fe3a0904ca5
Clear filters
1
Name
Subnet ID
State
VPC
IPv4 CIDR
IPv6 CIDR
morning-subnet-02-private
subnet-0a4ff3fe3a0904ca5
Available
vpc-0f08051a22f84d9cf | my-v...
120.0.2.0/24
–
morning-subnet-01-private
subnet-07fb74d2b07303761
Available
vpc-0f08051a22f84d9cf | my-v...
120.0.1.0/24
–
morning-subnet-01-public
subnet-0570ec6cba2c96dde
Available
vpc-0f08051a22f84d9cf | my-v...
120.0.0.0/24
–
Select a subnet
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Chrome File Edit View History Bookmarks Profiles Tab Window Help Sat 16 Mar 08:14

Create internet gateway | VPC | Start Course | Intellipaat | Start Course | Intellipaat | PeeringConnections | VPC Co

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

aws Services Search [Option+S] N. Virginia rsujithsri16@gmail.com

EC2

VPC > Internet gateways > Create internet gateway

Create internet gateway Info

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

Internet gateway settings

Name tag

Creates a tag with a key of 'Name' and a value that you specify.

morning-igw

Tags - *optional*

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - *optional*	
Name	morning-igw	Remove

Add new tag

You can add 49 more tags.

Cancel Create internet gateway

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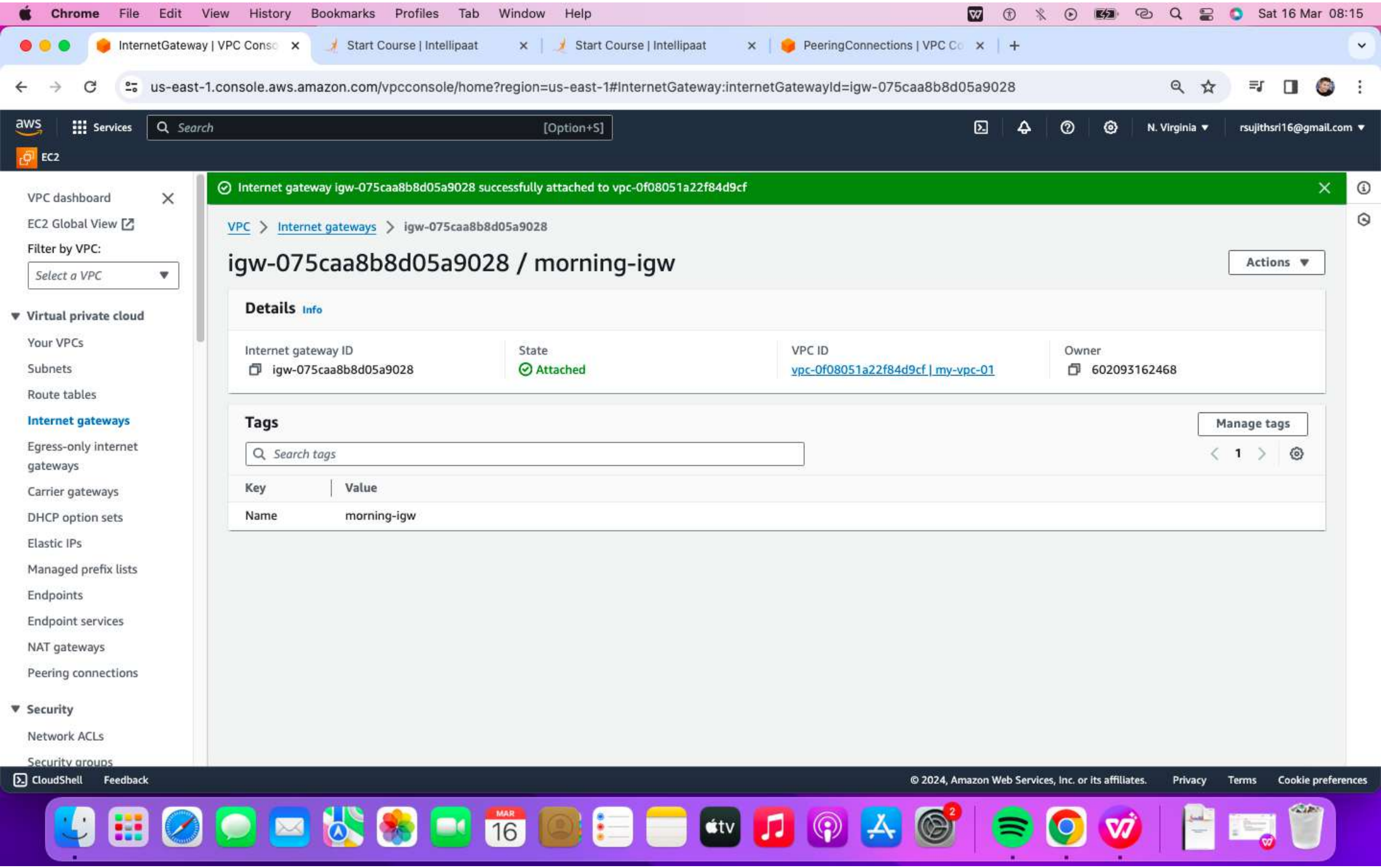
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 08:15
InternetGateway | VPC Conso
Start Course | Intellipaat
Start Course | Intellipaat
PeeringConnections | VPC Co
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#InternetGateway:internetGatewayId=igw-075caa8b8d05a9028
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
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
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
Internet gateway igw-075caa8b8d05a9028 successfully attached to vpc-0f08051a22f84d9cf
VPC > Internet gateways > igw-075caa8b8d05a9028
igw-075caa8b8d05a9028 / morning-igw
Actions
Details Info
Internet gateway ID
igw-075caa8b8d05a9028
State
Attached
VPC ID
vpc-0f08051a22f84d9cf | my-vpc-01
Owner
602093162468
Tags
Manage tags
Search tags
1
Key
Value
Name
morning-igw
CloudShell
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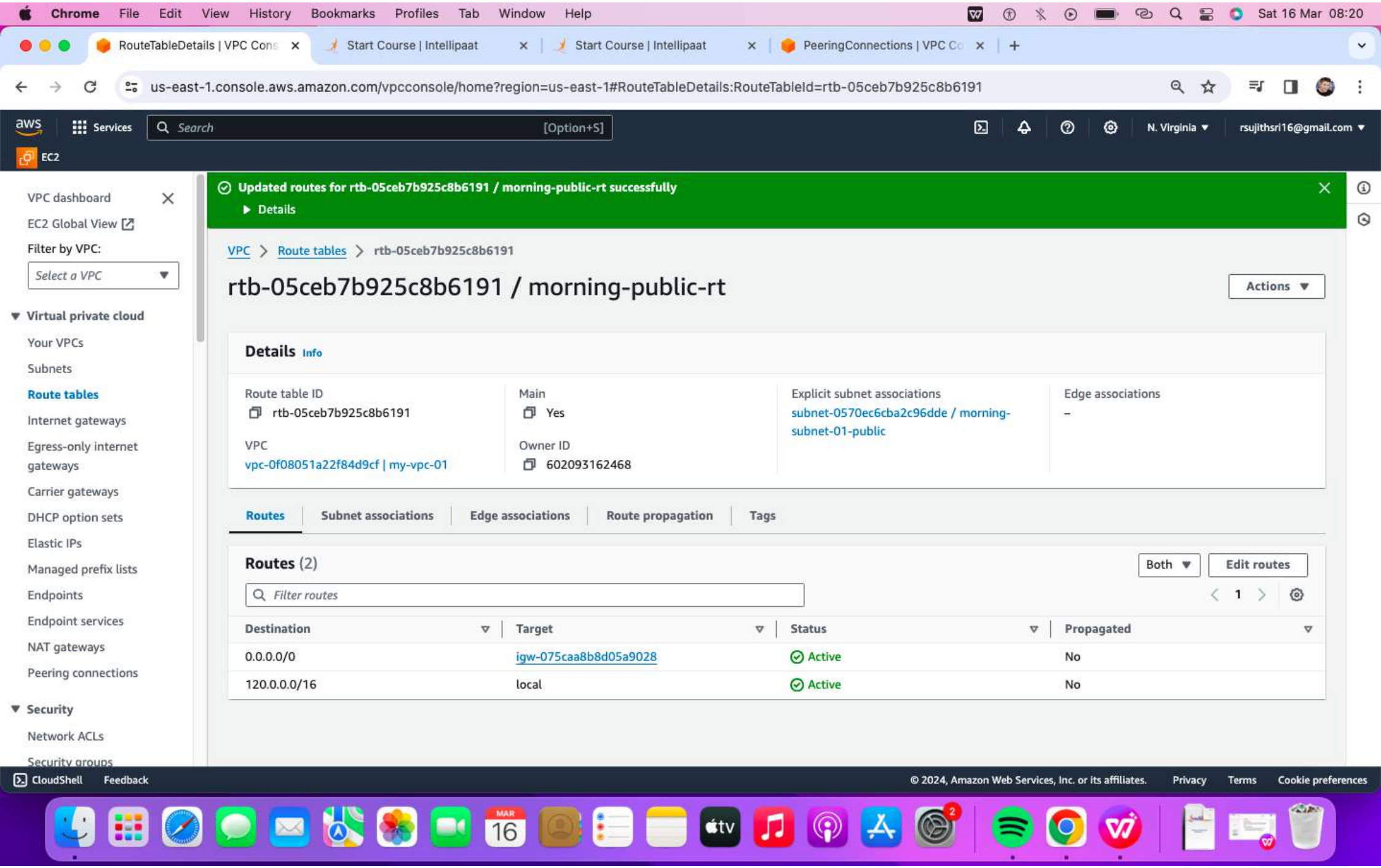
Edit routes

Destination	Target	Status	Propagated	
120.0.0.0/16	local local	Active	No	
0.0.0.0/0	Internet Gateway igw-075caa8b8d05a9028	–	No	Remove

Add route

Cancel Preview Save changes


Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 08:20
RouteTableDetails | VPC Cons
Start Course | Intellipaat
Start Course | Intellipaat
PeeringConnections | VPC Co
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#RouteTableDetails:RouteTableId=rtb-05ceb7b925c8b6191
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
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
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
Updated routes for rtb-05ceb7b925c8b6191 / morning-public-rt successfully
Details
VPC > Route tables > rtb-05ceb7b925c8b6191
rtb-05ceb7b925c8b6191 / morning-public-rt
Actions
Details Info
Route table ID
rtb-05ceb7b925c8b6191
Main
Yes
Explicit subnet associations
subnet-0570ec6cba2c96dde / morning-subnet-01-public
Edge associations
–
VPC
vpc-0f08051a22f84d9cf | my-vpc-01
Owner ID
602093162468
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (2)
Both
Edit routes
Filter routes
1
Destination
Target
Status
Propagated
0.0.0.0/0
igw-075caa8b8d05a9028
Active
No
120.0.0.0/16
local
Active
No
CloudShell
Feedback
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Create route table Info

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

Route table settings

Name - *optional*

Create a tag with a key of 'Name' and a value that you specify.

morning-private-rt

VPC

The VPC to use for this route table.

vpc-0f08051a22f84d9cf (my-vpc-01)

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - *optional*	
Name	morning-private-rt	Remove

Add new tag

You can add 49 more tags.

Cancel Create route table

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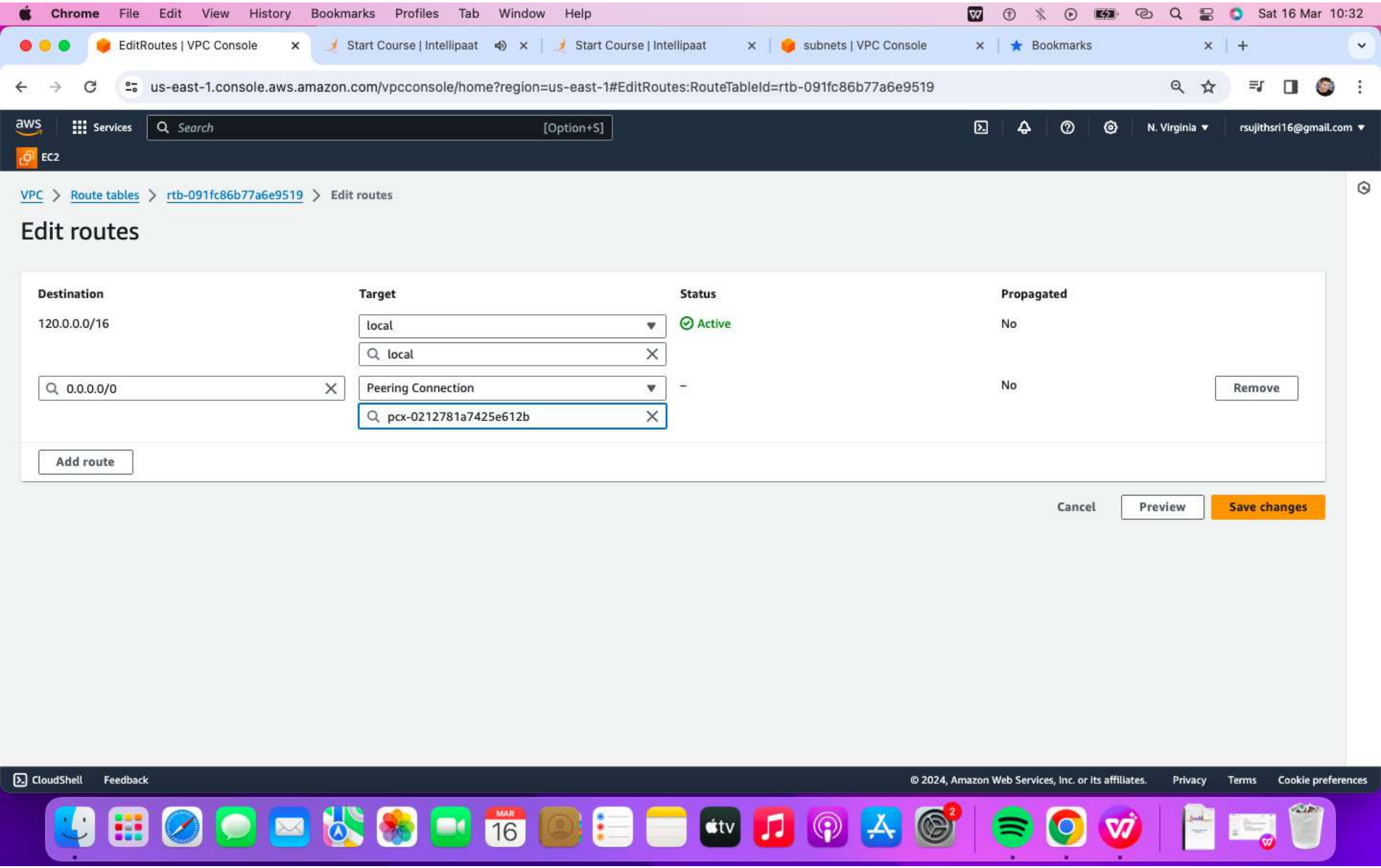
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 10:32
EditRoutes | VPC Console
Start Course | Intellipaat
Start Course | Intellipaat
subnets | VPC Console
Bookmarks
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#EditRoutes:RouteTableId=rtb-091fc86b77a6e9519
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
VPC > Route tables > rtb-091fc86b77a6e9519 > Edit routes
Edit routes
Destination
Target
Status
Propagated
120.0.0.0/16
local
Active
No
local
0.0.0.0/0
Peering Connection
–
No
Remove
pcx-0212781a7425e612b
Add route
Cancel
Preview
Save changes
CloudShell
Feedback
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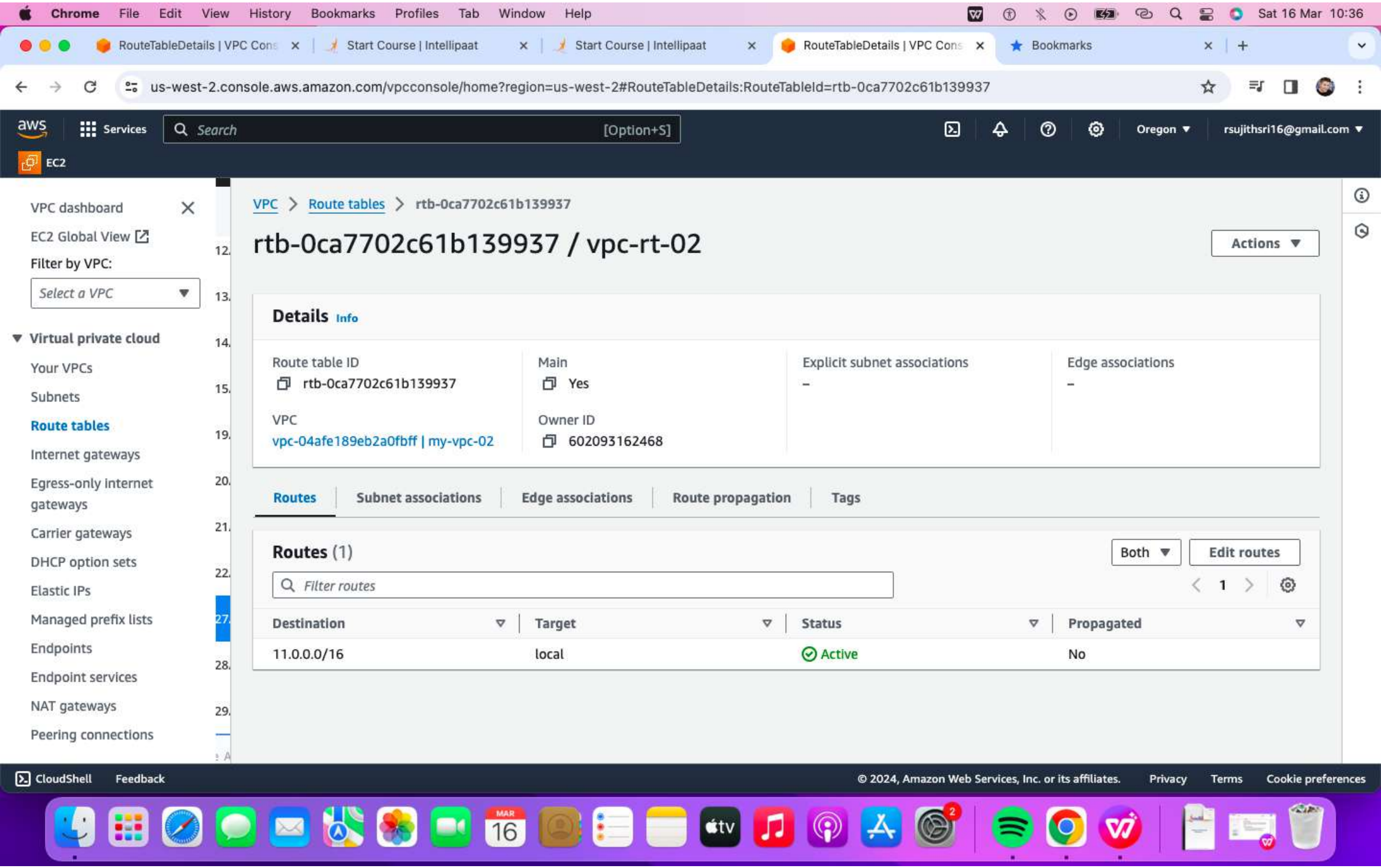
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 10:36
RouteTableDetails | VPC Cons
Start Course | Intellipaat
Start Course | Intellipaat
RouteTableDetails | VPC Cons
Bookmarks
us-west-2.console.aws.amazon.com/vpcconsole/home?region=us-west-2#RouteTableDetails:RouteTableId=rtb-0ca7702c61b139937
aws
Services
Search
[Option+S]
Oregon
rsujithsri16@gmail.com
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
Endpoint services
NAT gateways
Peering connections
VPC > Route tables > rtb-0ca7702c61b139937
rtb-0ca7702c61b139937 / vpc-rt-02
Actions
Details Info
Route table ID
rtb-0ca7702c61b139937
Main
Yes
Explicit subnet associations
–
Edge associations
–
VPC
vpc-04afe189eb2a0fbff | my-vpc-02
Owner ID
602093162468
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (1)
Both
Edit routes
Filter routes
1
Destination
Target
Status
Propagated
11.0.0.0/16
local
Active
No
CloudShell
Feedback
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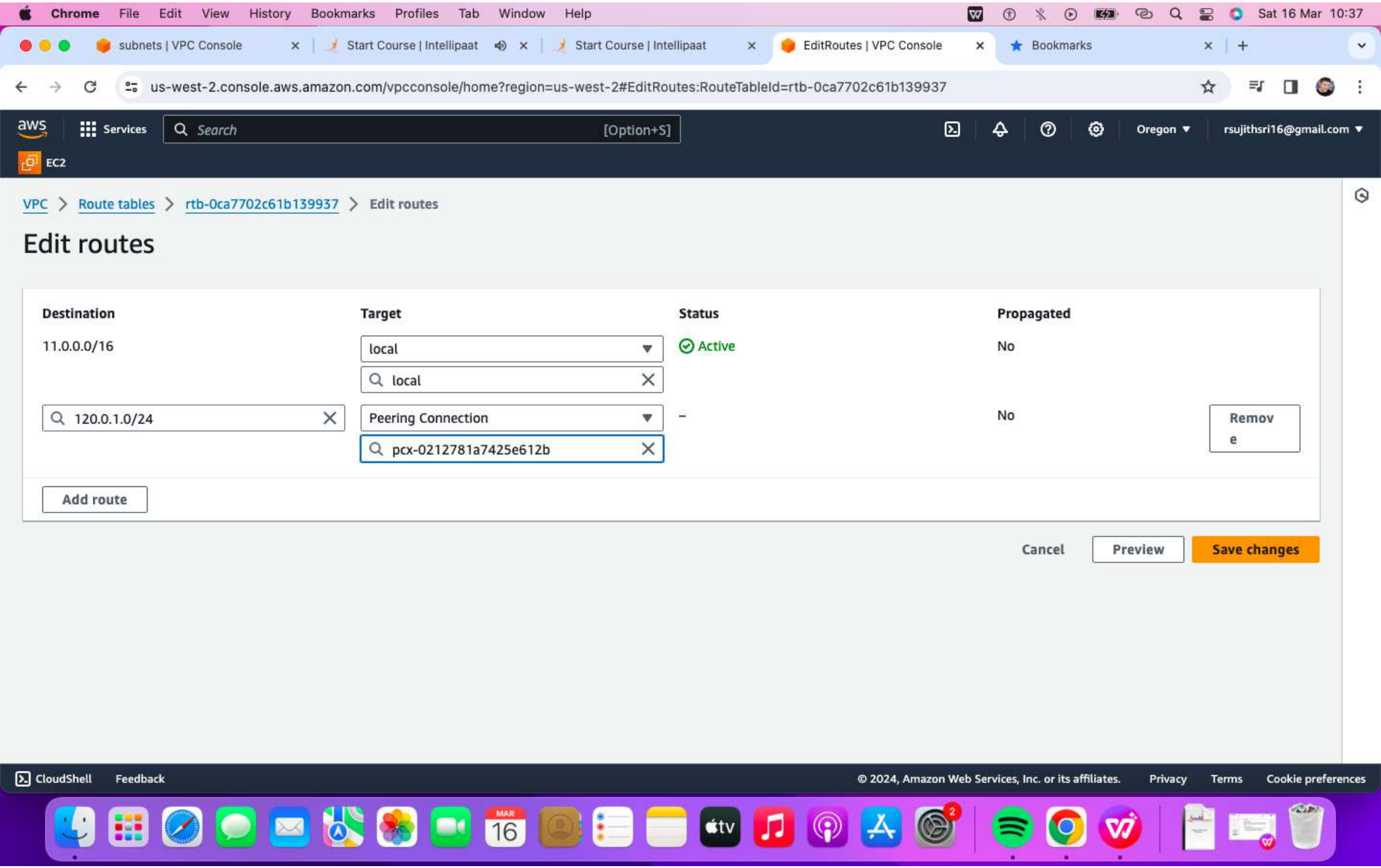
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 10:37
subnets | VPC Console
Start Course | Intellipaat
Start Course | Intellipaat
EditRoutes | VPC Console
Bookmarks
us-west-2.console.aws.amazon.com/vpcconsole/home?region=us-west-2#EditRoutes:RouteTableId=rtb-0ca7702c61b139937
aws
Services
Search
[Option+S]
Oregon
rsujithsri16@gmail.com
EC2
VPC > Route tables > rtb-0ca7702c61b139937 > Edit routes
Edit routes
Destination
Target
Status
Propagated
11.0.0.0/16
local
Active
No
local
120.0.1.0/24
Peering Connection
-
No
Remove
pcx-0212781a7425e612b
Add route
Cancel
Preview
Save changes
CloudShell
Feedback
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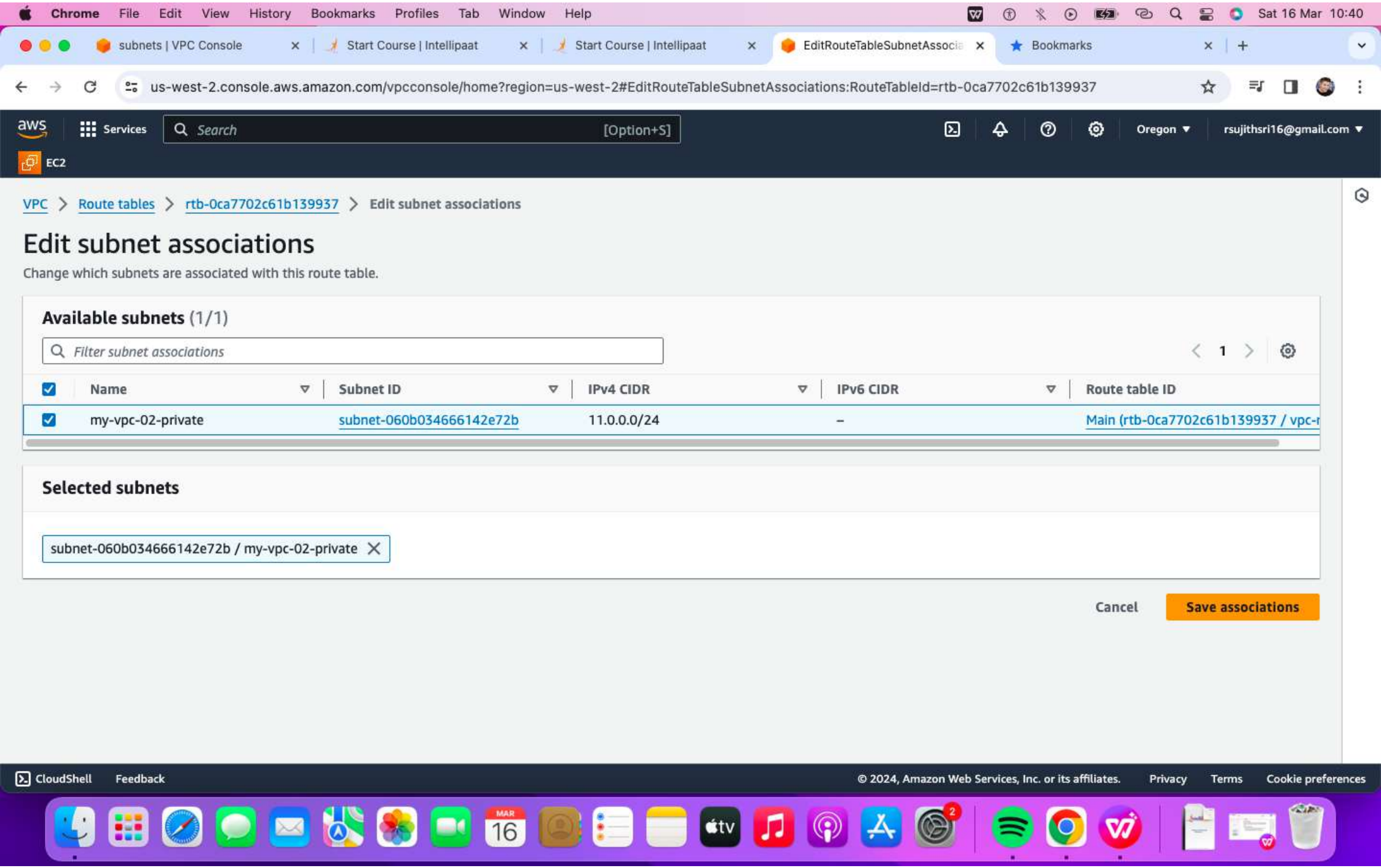
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 10:40
subnets | VPC Console
Start Course | Intellipaat
Start Course | Intellipaat
EditRouteTableSubnetAssoci
Bookmarks
us-west-2.console.aws.amazon.com/vpcconsole/home?region=us-west-2#EditRouteTableSubnetAssociations:RouteTableId=rtb-0ca7702c61b139937
aws
Services
Search
[Option+S]
Oregon
rsujithsri16@gmail.com
EC2
VPC > Route tables > rtb-0ca7702c61b139937 > Edit subnet associations
Edit subnet associations
Change which subnets are associated with this route table.
Available subnets (1/1)
Filter subnet associations
1
Name
Subnet ID
IPv4 CIDR
IPv6 CIDR
Route table ID
my-vpc-02-private
subnet-060b034666142e72b
11.0.0.0/24
–
Main (rtb-0ca7702c61b139937 / vpc-
Selected subnets
subnet-060b034666142e72b / my-vpc-02-private
Cancel
Save associations
CloudShell
Feedback
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Chrome File Edit View History Bookmarks Profiles Tab Window Help Sat 16 Mar 11:01

Launch an instance | EC2 | us | Start Course | Intellipaat | Launch an instance | EC2 | us | Start Course | Intellipaat

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#LaunchInstances:

aws Services Search [Option+S] Oregon rsujithsri16@gmail.com

EC2

EC2 > Instances > Launch an instance

Launch an instance Info

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 Info

Name

private-instance-oregon

Add additional tags

Application and OS Images (Amazon Machine Image) Info

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

Search our full catalog including 1000s of application and OS images

Quick Start

Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

ami-07bff6261f14c3a45

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or

Cancel Launch instance

Review commands

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Launch an instance | EC2 | us | Start Course | Intellipaat | Launch an instance | EC2 | us | Start Course | Intellipaat

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#LaunchInstances:

aws Services Search [Option+S] Oregon rsujithsri16@gmail.com

EC2

Create security group | Select existing security group

Security group name - *required*

launch-wizard-1

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&;{}!$*

Description - *required* Info

launch-wizard-1 created 2024-03-16T05:21:29.062Z

Inbound Security Group Rules

Security group rule 1 (TCP, 22, 0.0.0.0/0) Remove

Type Info	Protocol Info	Port range Info
ssh	TCP	22

Source type Info	Source Info	Description - *optional* Info
Anywhere	Add CIDR, prefix list or security	e.g. SSH for admin desktop

0.0.0.0/0

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

ami-07bff6261f14c3a45

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or

Cancel Launch instance

Review commands

CloudShell Feedback

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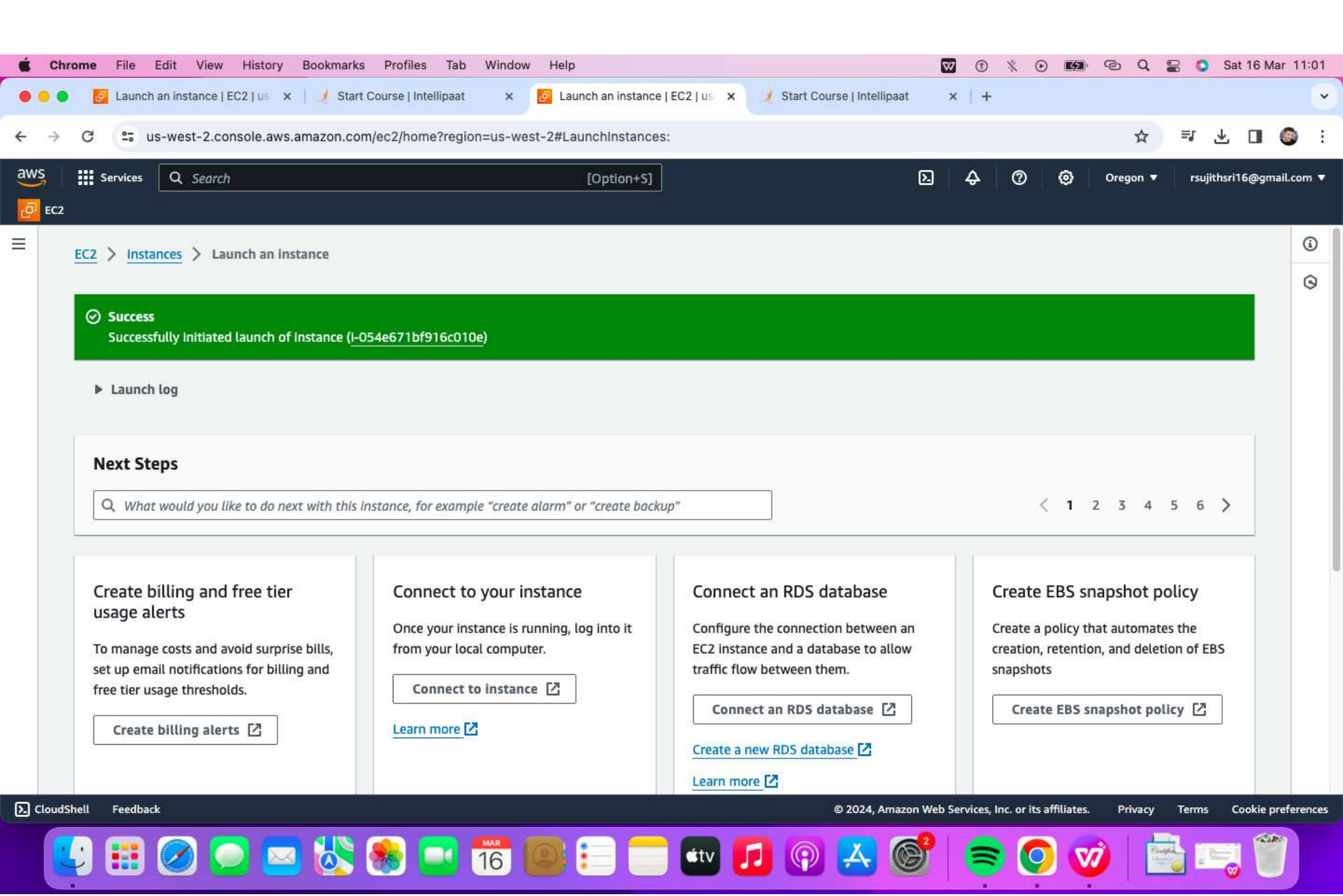
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 11:01
Launch an instance | EC2 | us
Start Course | Intellipaat
Launch an instance | EC2 | us
Start Course | Intellipaat
us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#LaunchInstances:
aws
Services
Search
[Option+S]
Oregon
rsujithsri16@gmail.com
EC2
EC2 > Instances > Launch an instance
Success
Successfully initiated launch of instance (i-054e671bf916c010e)
Launch log
Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"
1 2 3 4 5 6
Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
Create billing alerts
Connect to your instance
Once your instance is running, log into it from your local computer.
Connect to instance
Learn more
Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
Connect an RDS database
Create a new RDS database
Learn more
Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
Create EBS snapshot policy
CloudShell
Feedback
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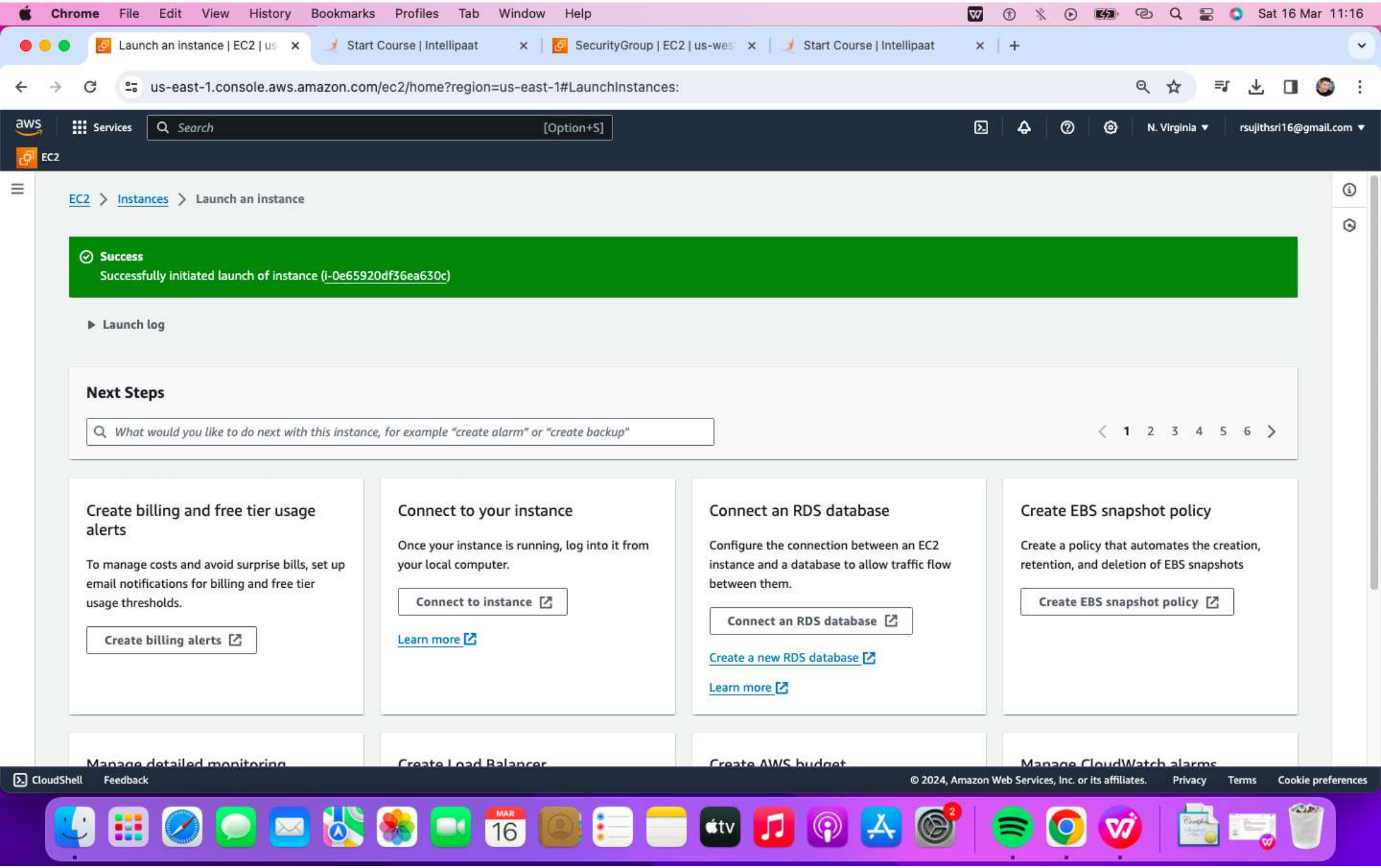
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 11:16
Launch an instance | EC2 | us
Start Course | Intellipaat
SecurityGroup | EC2 | us-wes
Start Course | Intellipaat
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
EC2 > Instances > Launch an instance
Success
Successfully initiated launch of instance (i-0e65920df36ea630c)
Launch log
Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"
1 2 3 4 5 6
Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
Create billing alerts
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Configure the connection between an EC2 instance and a database to allow traffic flow between them.
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Create a new RDS database
Learn more
Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
Create EBS snapshot policy
Manage detailed monitoring
Create Load Balancer
Create AWS budget
Manage CloudWatch alarms
CloudShell
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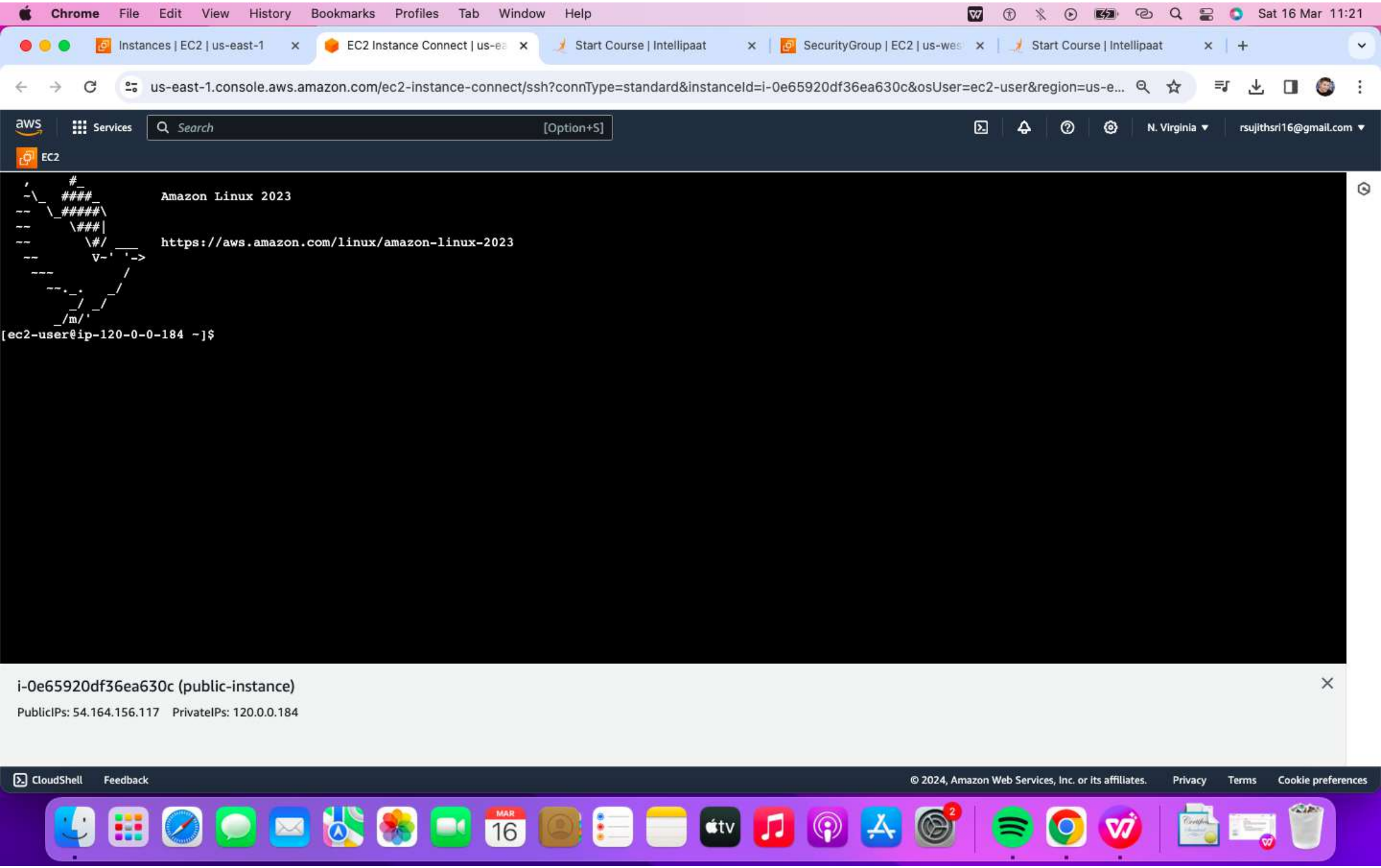
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 11:21
Instances | EC2 | us-east-1
EC2 Instance Connect | us-ea
Start Course | Intellipaat
SecurityGroup | EC2 | us-wes
Start Course | Intellipaat
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0e65920df36ea630c&osUser=ec2-user&region=us-e...
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-120-0-0-184 ~]$
i-0e65920df36ea630c (public-instance)
PublicIPs: 54.164.156.117 PrivateIPs: 120.0.0.184
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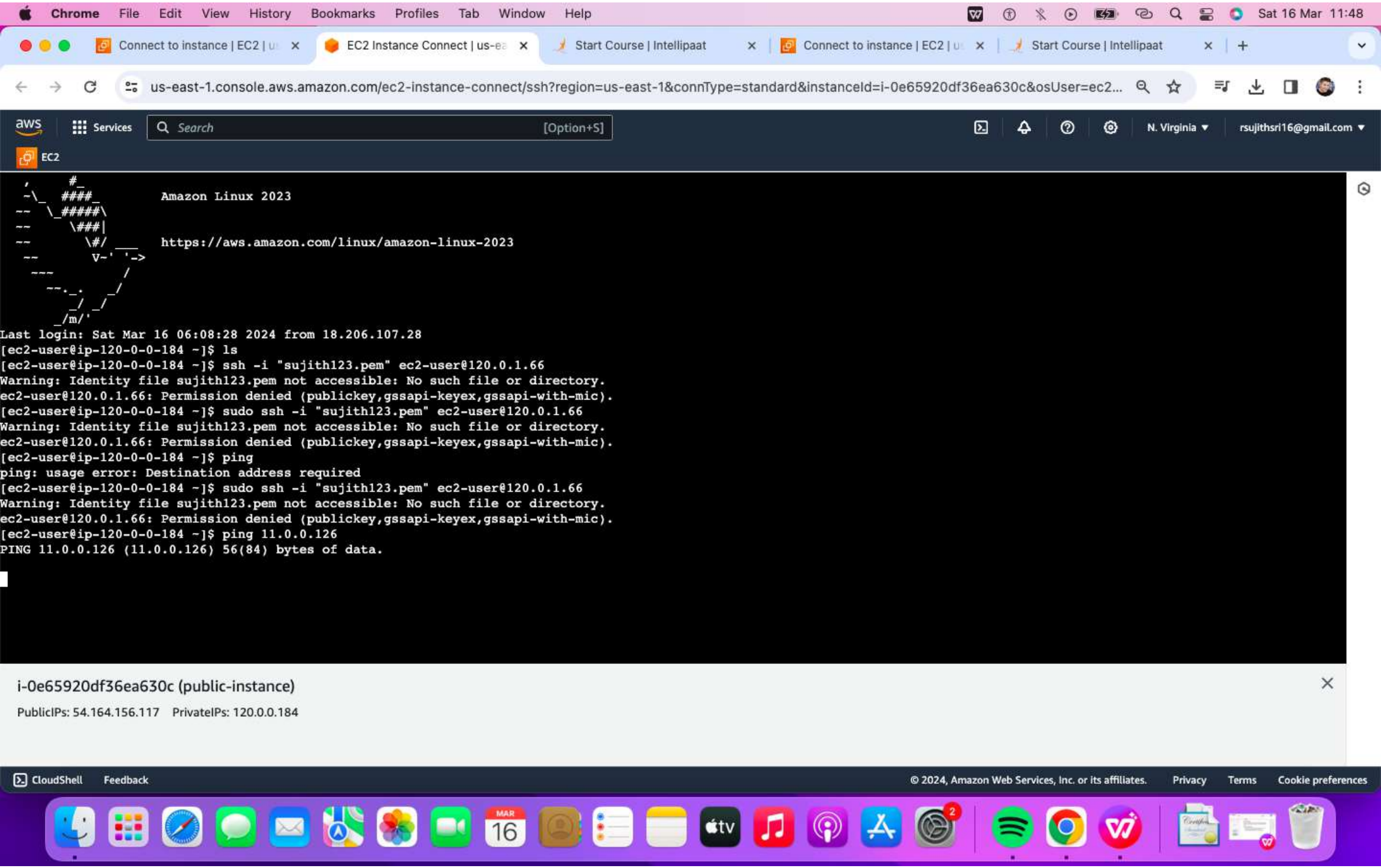
Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sat 16 Mar 11:48
Connect to instance | EC2 | u
EC2 Instance Connect | us-ea
Start Course | Intellipaat
Connect to instance | EC2 | u
Start Course | Intellipaat
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0e65920df36ea630c&osUser=ec2...
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
Last login: Sat Mar 16 06:08:28 2024 from 18.206.107.28
[ec2-user@ip-120-0-0-184 ~]$ ls
[ec2-user@ip-120-0-0-184 ~]$ ssh -i "sujith123.pem" ec2-user@120.0.1.66
Warning: Identity file sujith123.pem not accessible: No such file or directory.
ec2-user@120.0.1.66: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
[ec2-user@ip-120-0-0-184 ~]$ sudo ssh -i "sujith123.pem" ec2-user@120.0.1.66
Warning: Identity file sujith123.pem not accessible: No such file or directory.
ec2-user@120.0.1.66: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
[ec2-user@ip-120-0-0-184 ~]$ ping
ping: usage error: Destination address required
[ec2-user@ip-120-0-0-184 ~]$ sudo ssh -i "sujith123.pem" ec2-user@120.0.1.66
Warning: Identity file sujith123.pem not accessible: No such file or directory.
ec2-user@120.0.1.66: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
[ec2-user@ip-120-0-0-184 ~]$ ping 11.0.0.126
PING 11.0.0.126 (11.0.0.126) 56(84) bytes of data.
i-0e65920df36ea630c (public-instance)
PublicIPs: 54.164.156.117 PrivateIPs: 120.0.0.184
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