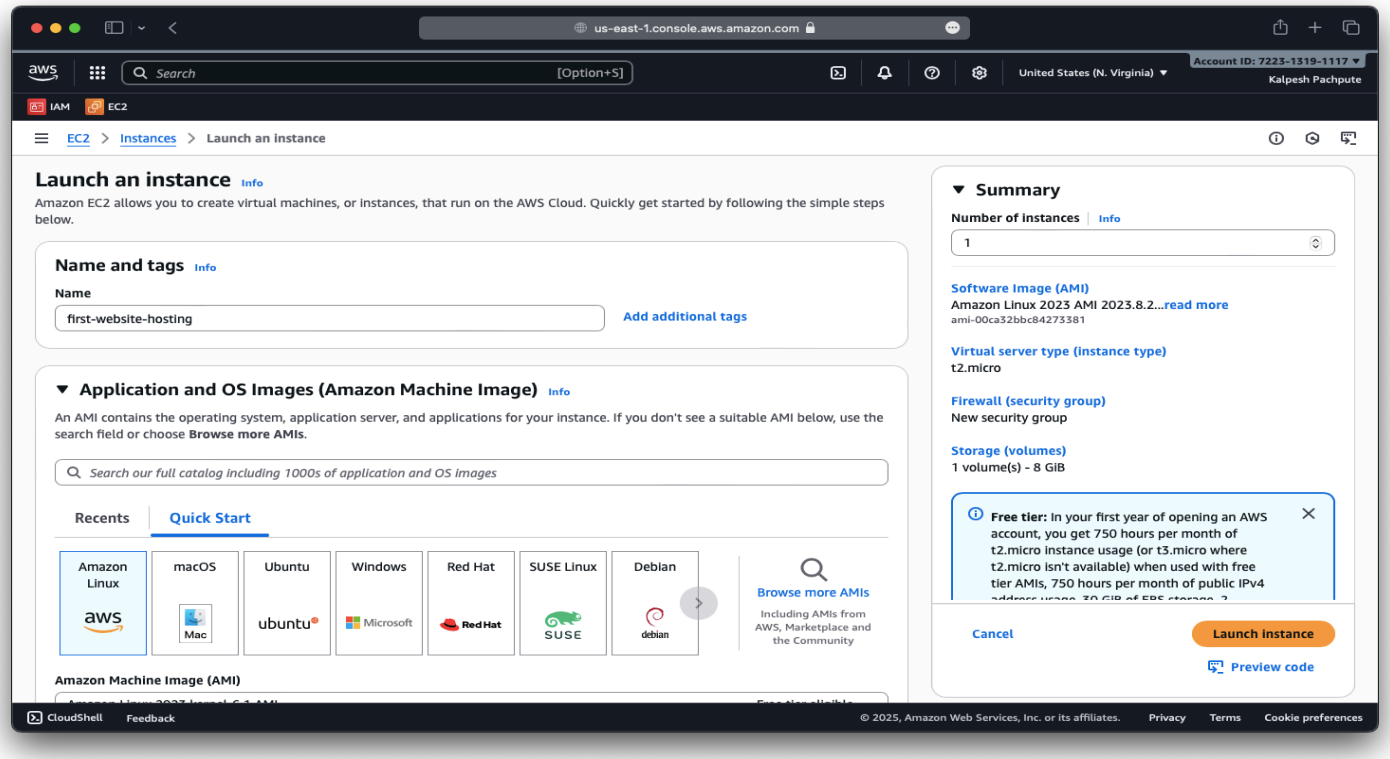
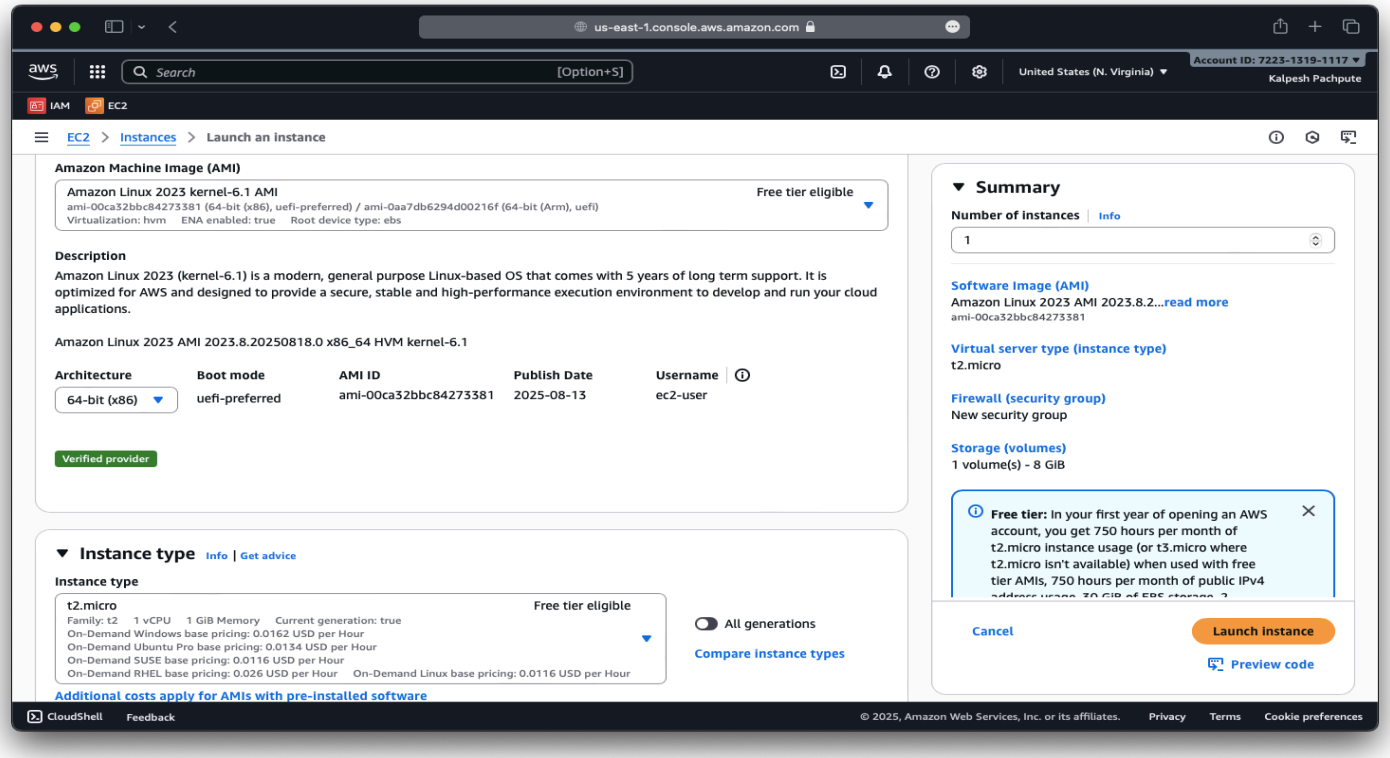
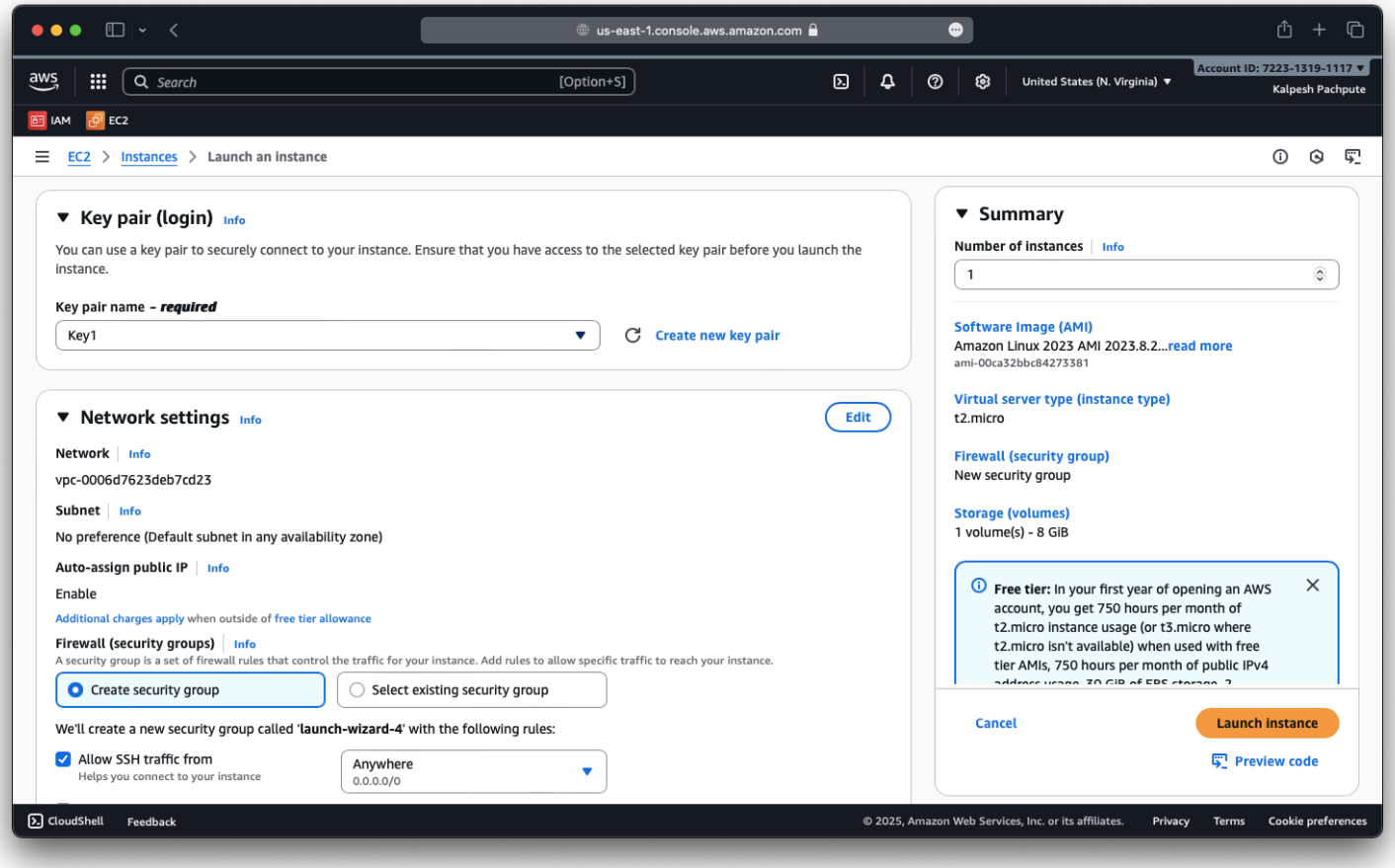
TASK 5 - Website hosting using EC2 instance.






us-east-1.console.aws.amazon.com
Search [Option+S]
United States (N. Virginia)
Account ID: 7223-1319-1117
Kalpesh Pachpute
IAM EC2
EC2 > Instances > Launch an instance
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name – required
Key1
Create new key pair
Network settings Info
Edit
Network Info
vpc-0006d7623deb7cd23
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Additional charges apply when outside of free tier allowance
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
We'll create a new security group called 'launch-wizard-4' with the following rules:
Allow SSH traffic from
Helps you connect to your instance
Anywhere
0.0.0.0/0
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.8.2...read more
ami-00ca32bbc84273381
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 of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4
Cancel
Launch instance
Preview code
CloudShell Feedback
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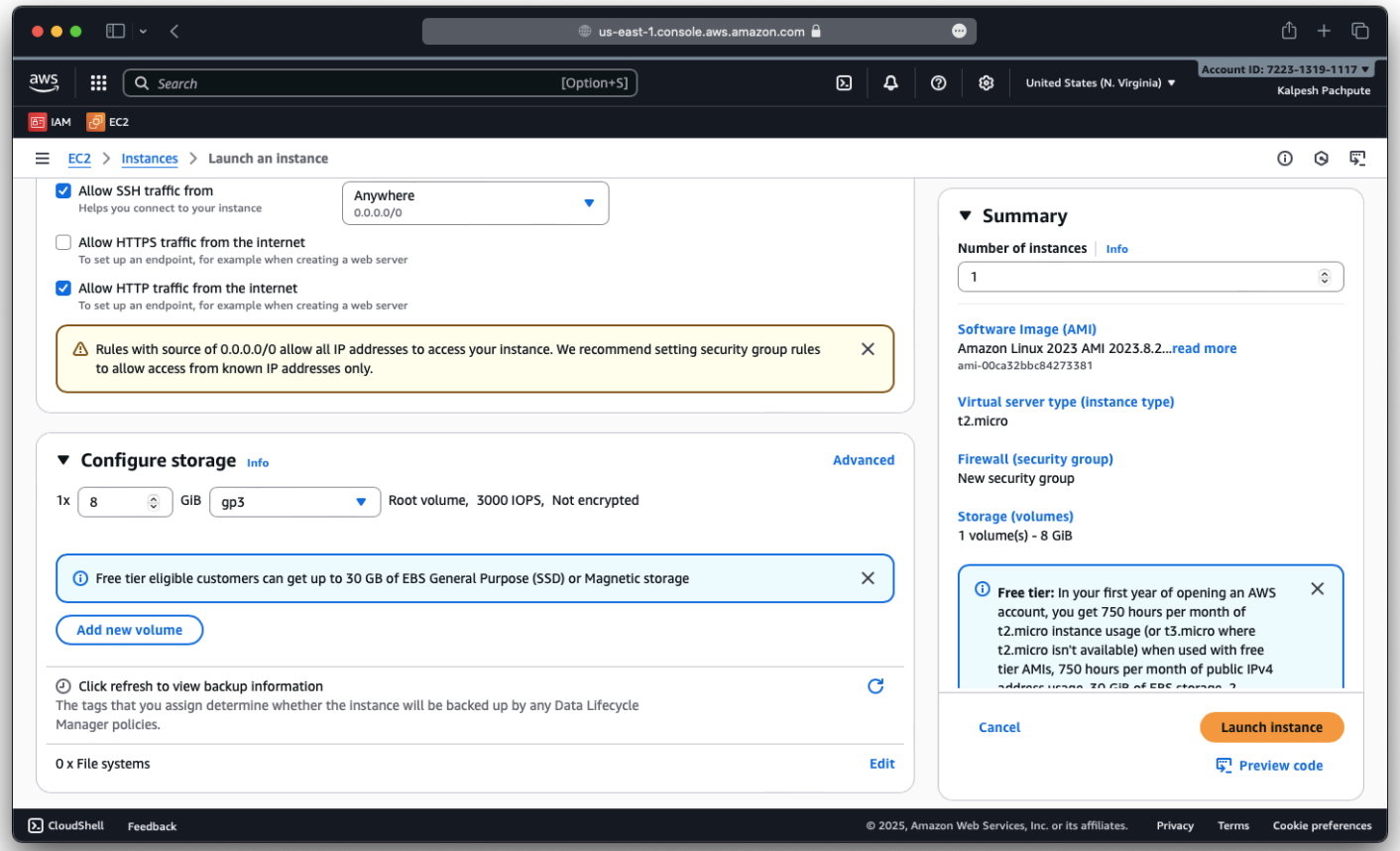
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Account ID: 7223-1319-1117
Kalpesh Pachpute
IAM EC2
EC2 > Instances > Launch an instance
Allow SSH traffic from
Helps you connect to your instance
Anywhere
0.0.0.0/0
Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server
Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server
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.
Configure storage Info
Advanced
1x 8 GiB gp3 Root volume, 3000 IOPS, Not encrypted
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Add new volume
Click refresh to view backup information
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.
0 x File systems
Edit
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.8.2...read more
ami-00ca32bbc84273381
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
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Launch instance
Preview code
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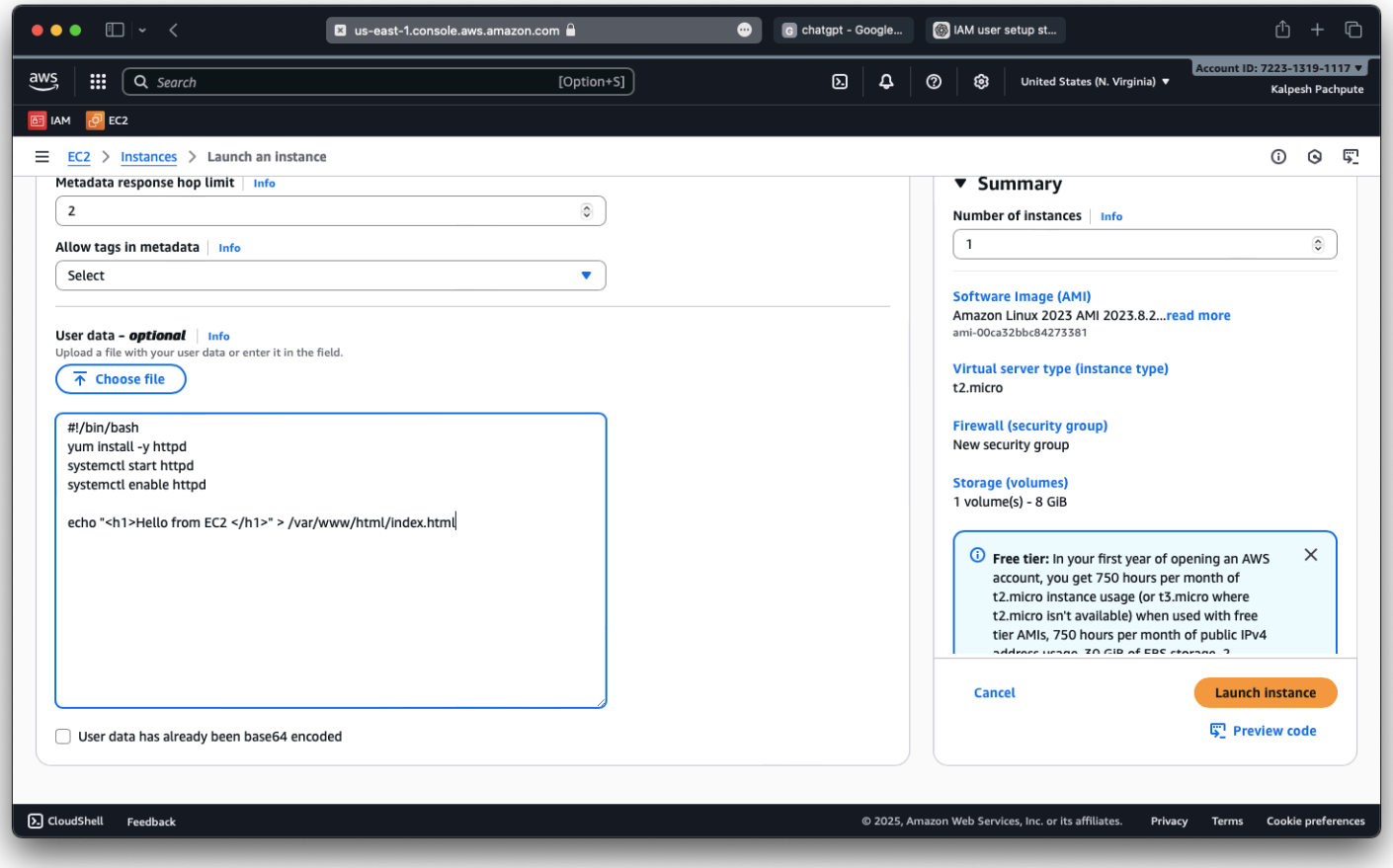
us-east-1.console.aws.amazon.com
chatgpt - Google...
IAM user setup st...
Search
[Option+S]
United States (N. Virginia)
Account ID: 7223-1319-1117
Kalpesh Pachpute
IAM
EC2
EC2 > Instances > Launch an instance
Metadata response hop limit | Info
2
Allow tags in metadata | Info
Select
User data – optional | Info
Upload a file with your user data or enter it in the field.
Choose file
#!/bin/bash
yum install -y httpd
systemctl start httpd
systemctl enable httpd
echo "<h1>Hello from EC2 </h1>" > /var/www/html/index.html
User data has already been base64 encoded
Summary
Number of instances | Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.8.2...read more
ami-00ca32bbc84273381
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
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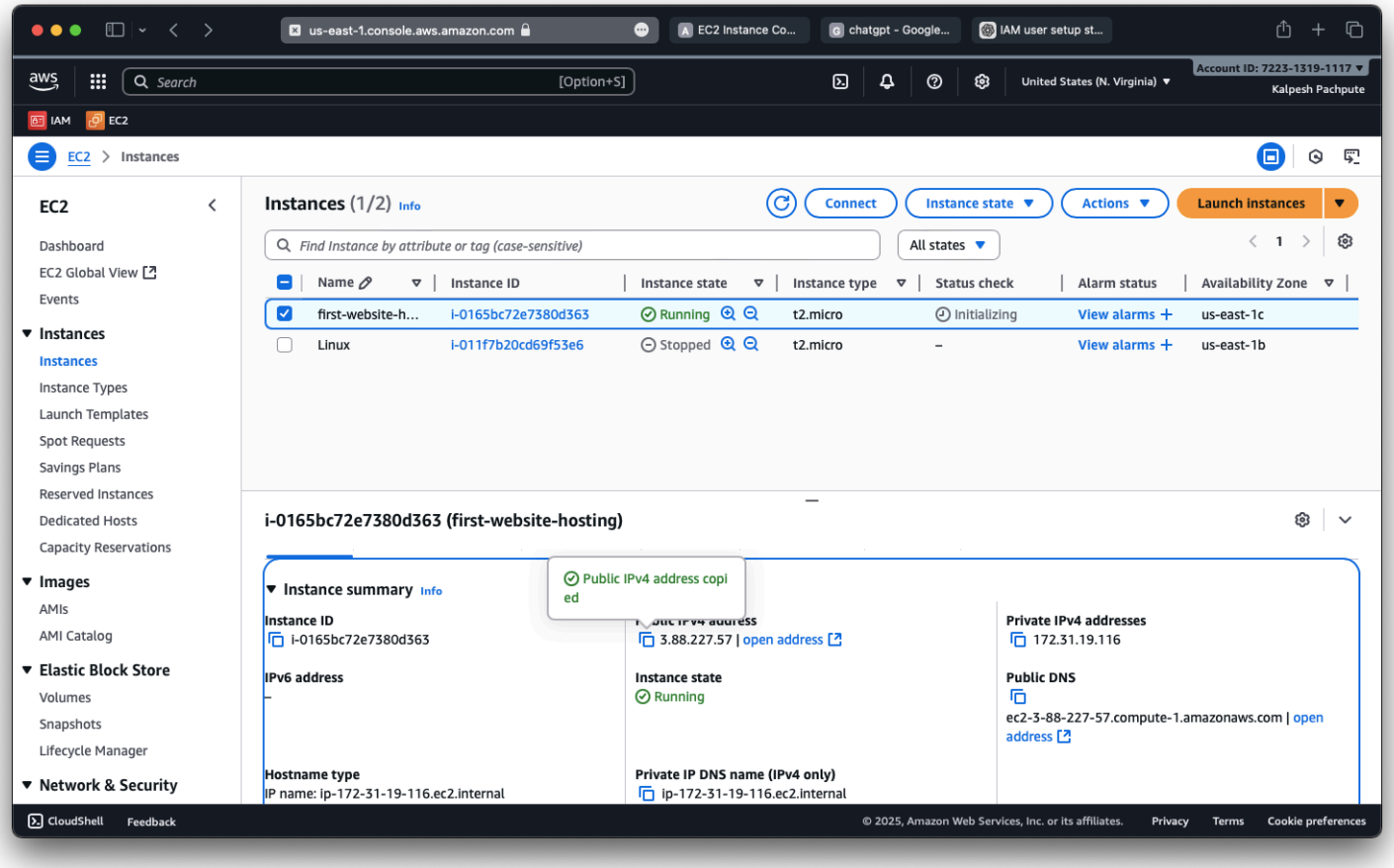
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EC2 Instance Co...
chatgpt - Google...
IAM user setup st...
Search
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Account ID: 7223-1319-1117
Kalpesh Pachpute
IAM
EC2
EC2 > Instances
EC2
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Instances (1/2) Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
first-website-h...
i-0165bc72e7380d363
Running
t2.micro
Initializing
View alarms
us-east-1c
Linux
i-011f7b20cd69f53e6
Stopped
t2.micro
–
View alarms
us-east-1b
i-0165bc72e7380d363 (first-website-hosting)
Public IPv4 address copied
Instance summary Info
Instance ID
i-0165bc72e7380d363
3.88.227.57 | open address
Private IPv4 addresses
172.31.19.116
IPv6 address
–
Instance state
Running
Public DNS
ec2-3-88-227-57.compute-1.amazonaws.com | open address
Hostname type
IP name: ip-172-31-19-116.ec2.internal
Private IP DNS name (IPv4 only)
ip-172-31-19-116.ec2.internal
CloudShell
Feedback
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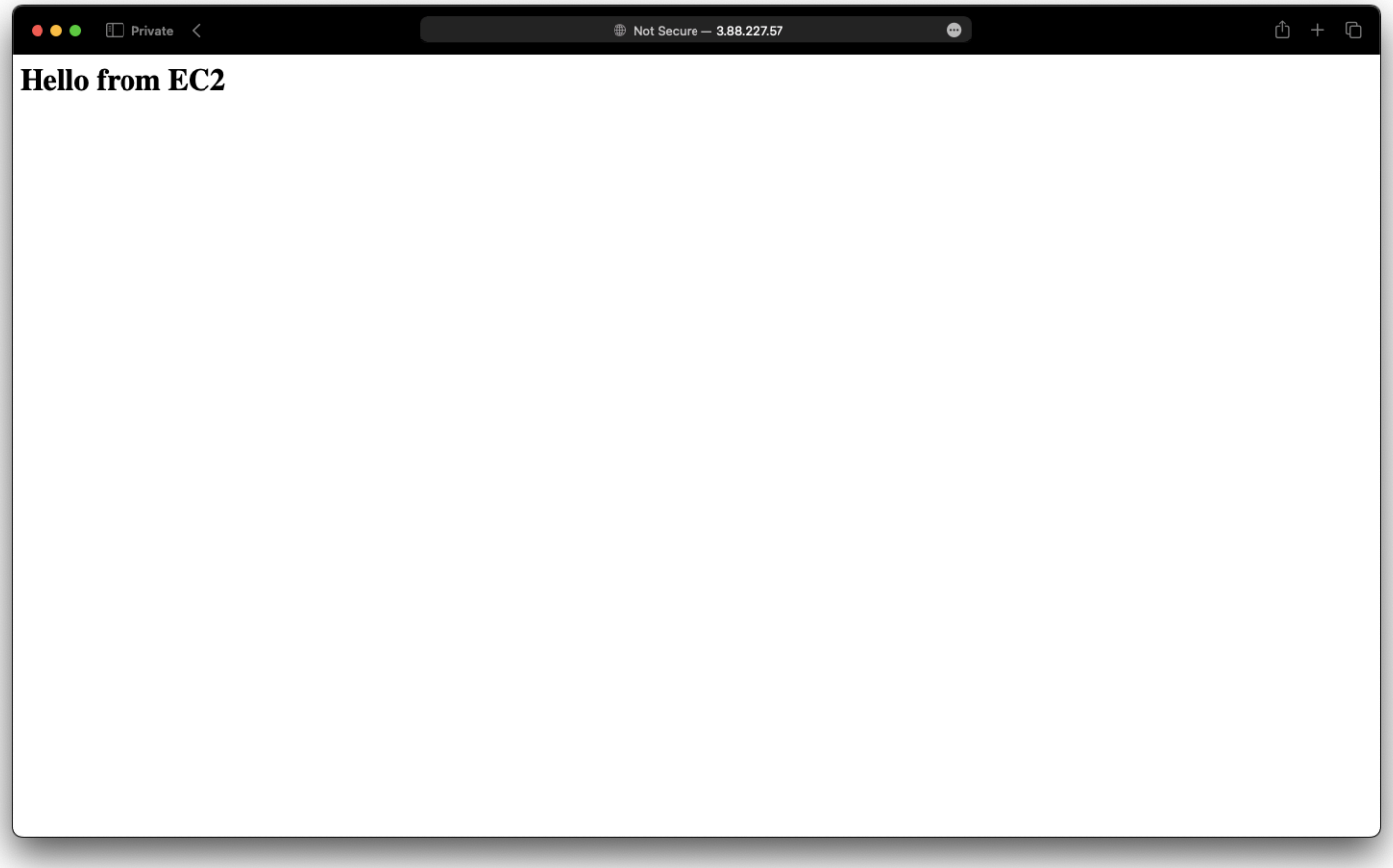
Private
Not Secure — 3.88.227.57
Hello from EC2