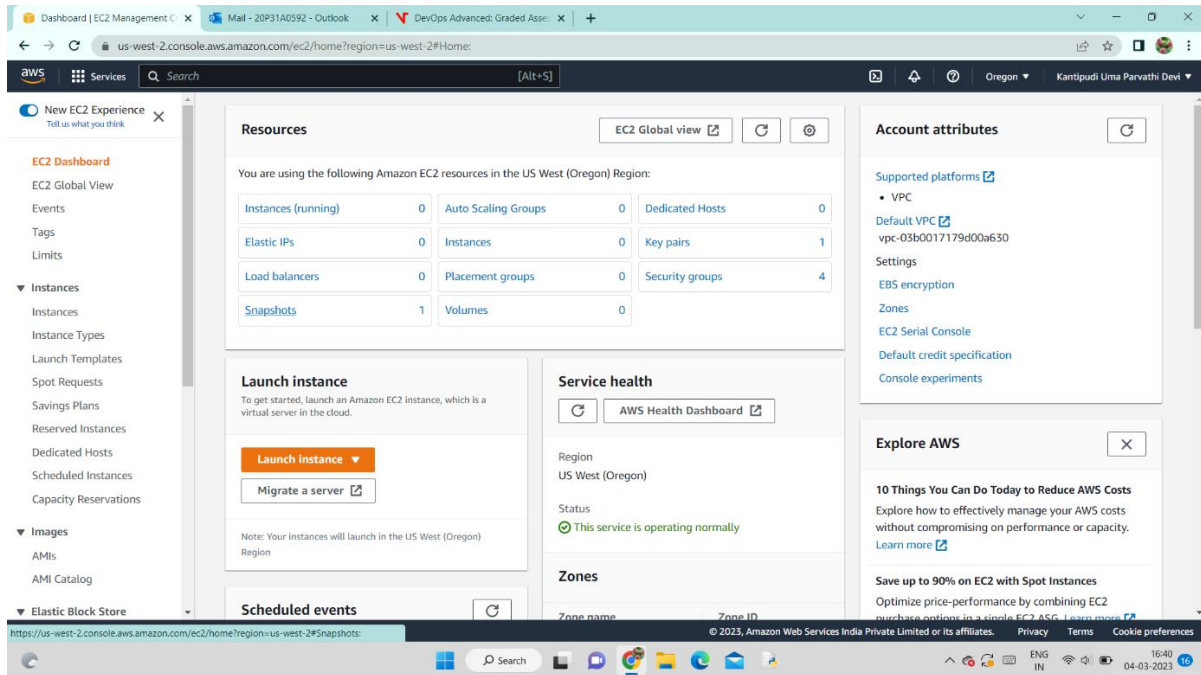
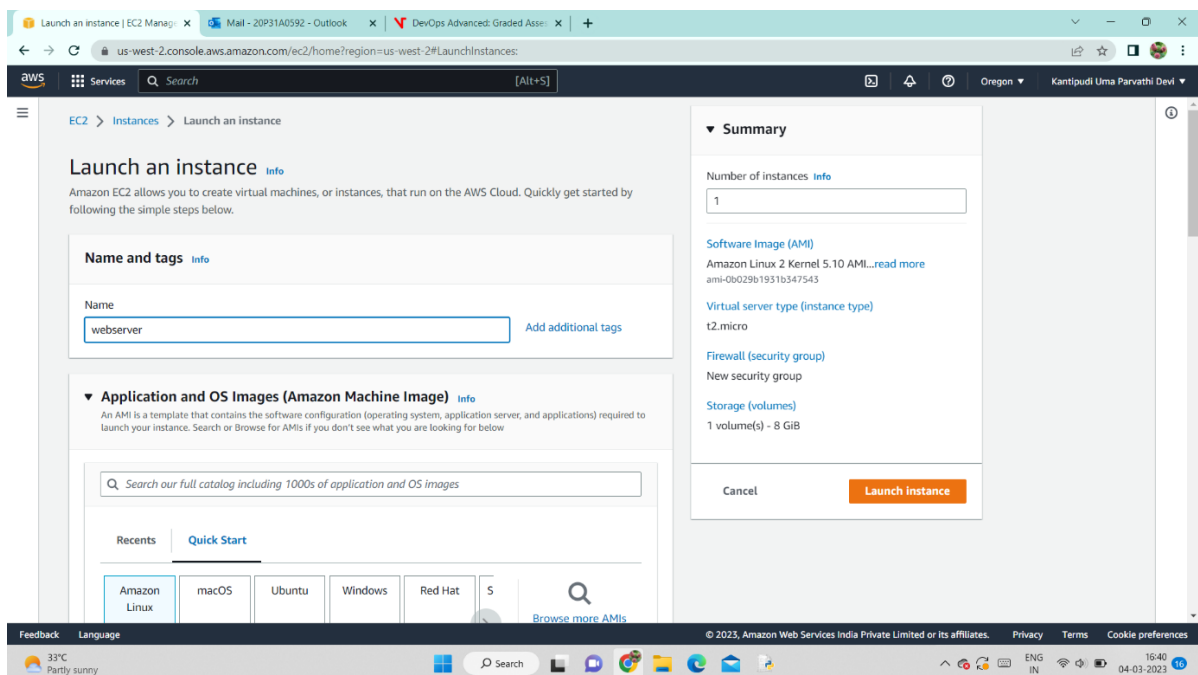


CREATION OF EC2 INSTANCE

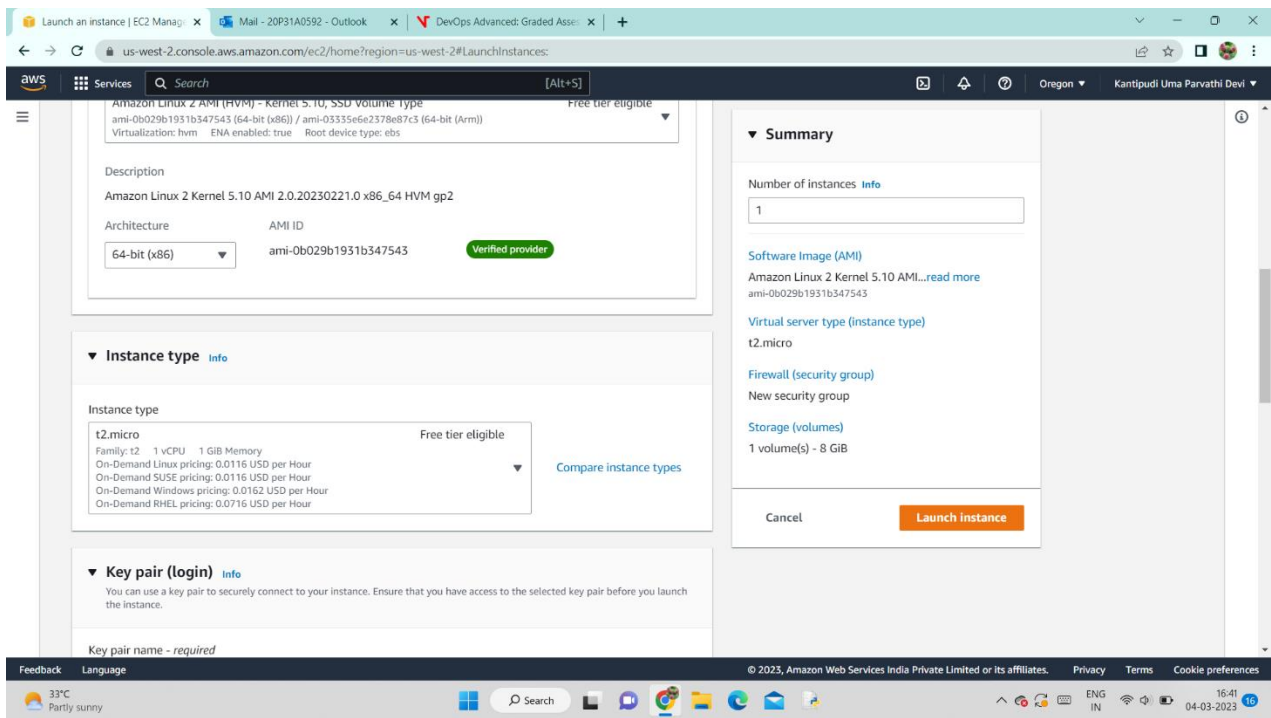
STEP1: Open the EC2 launch page in Amazon Management console.



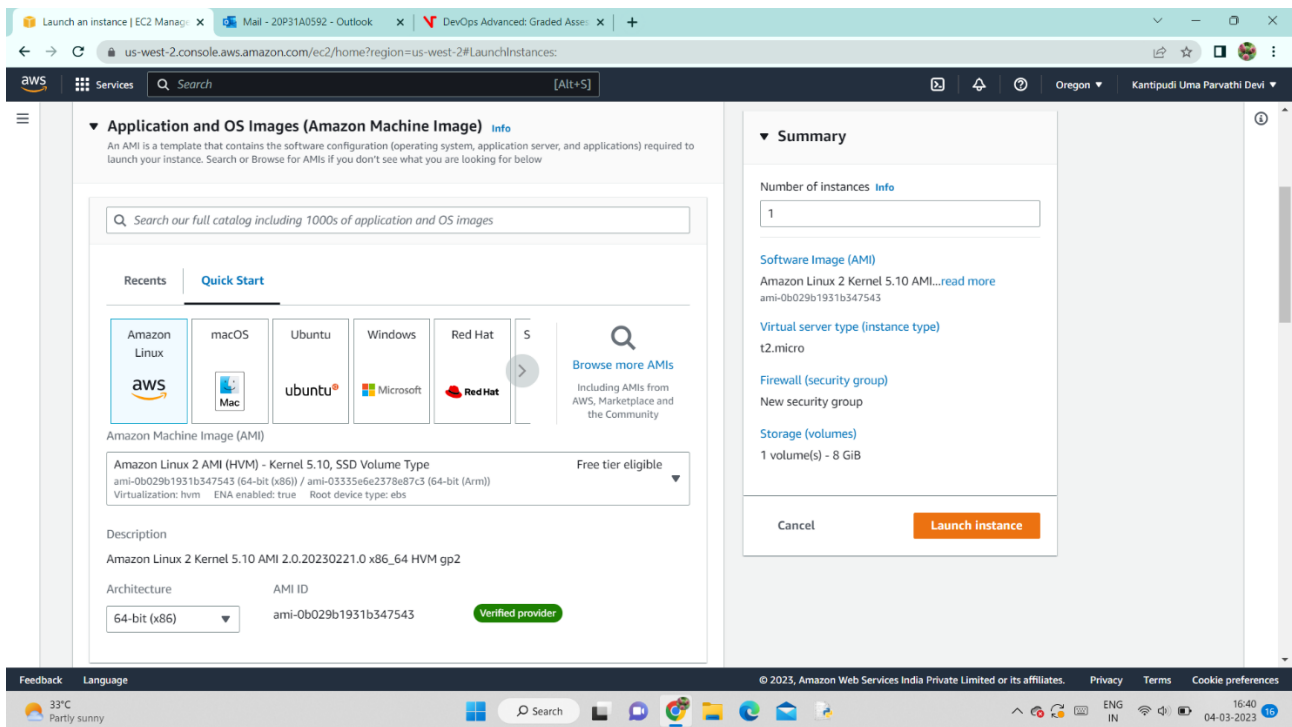
STEP 2: Click on launch instance and then choose “launch instance”. Then specify a name to your ec2 instance.



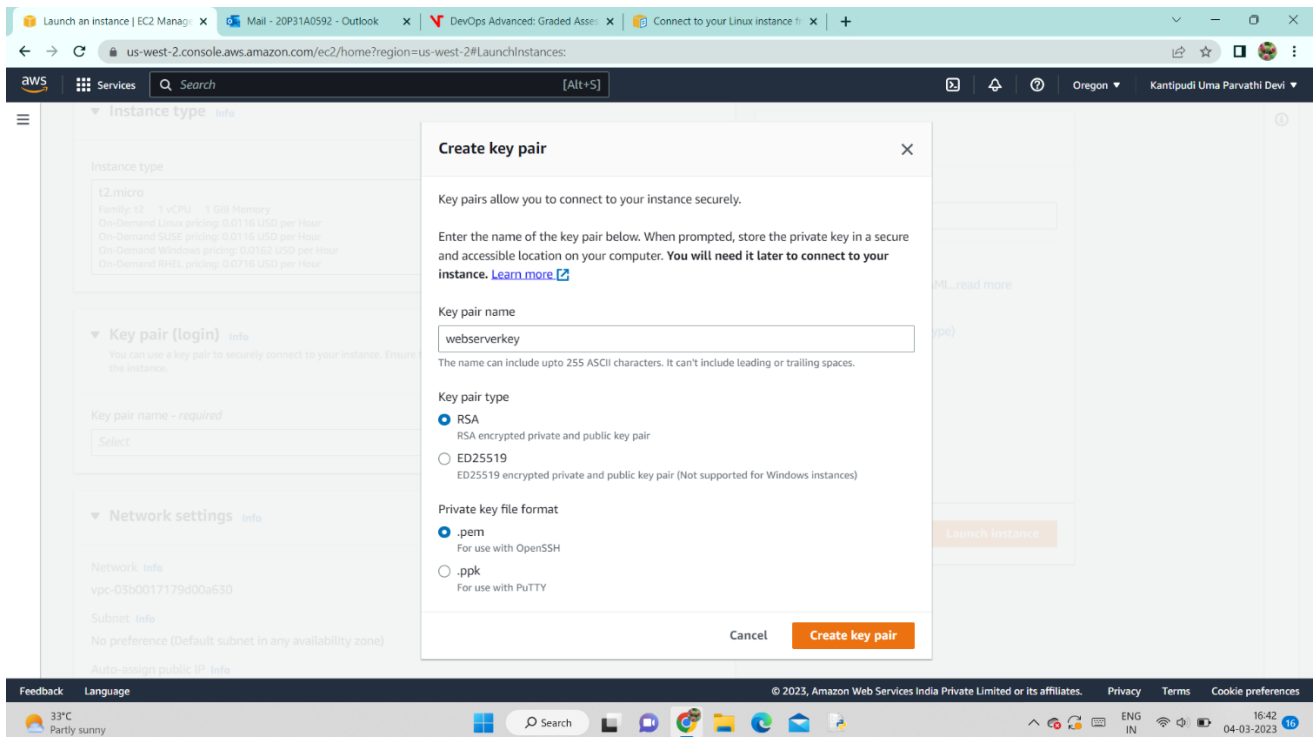
STEP 3: Select your required Amazon Machine Image, here I selected Amazon Linux which is eligible for free tier.



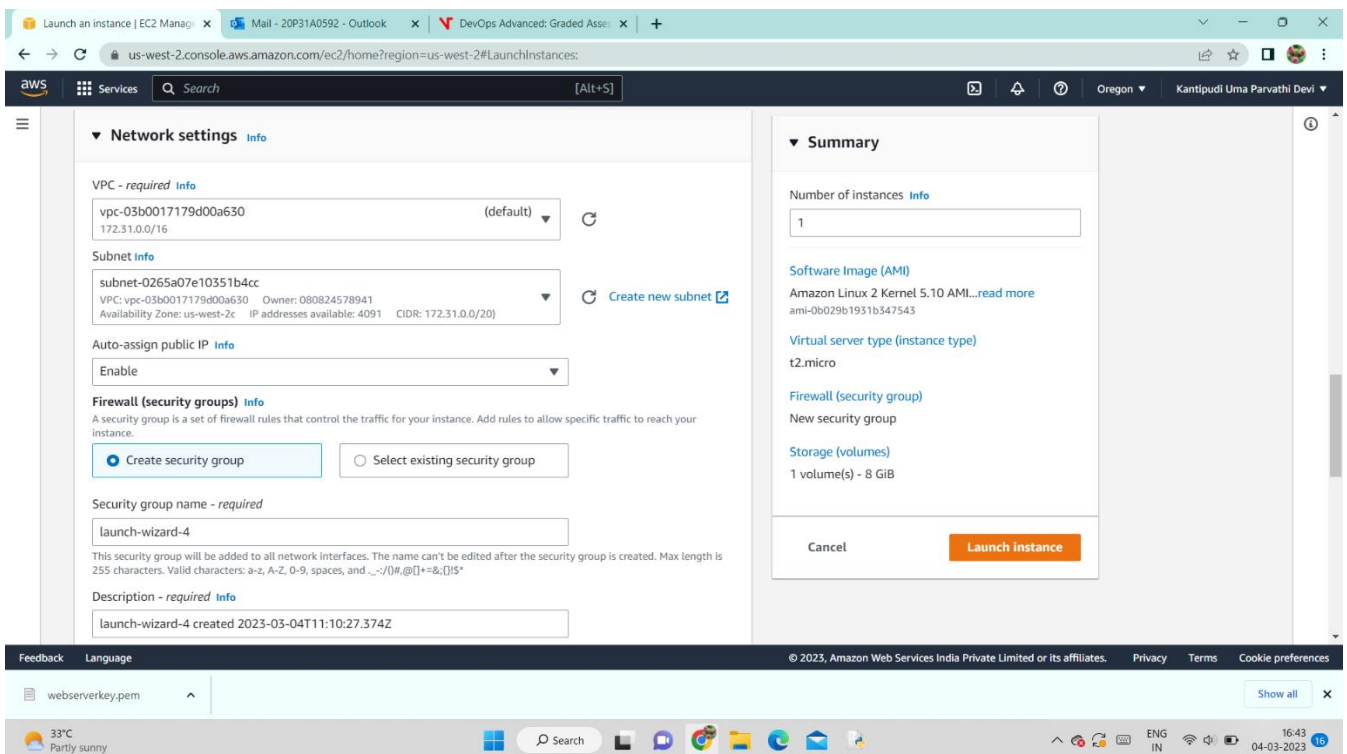
STEP 4 : Select instance type.



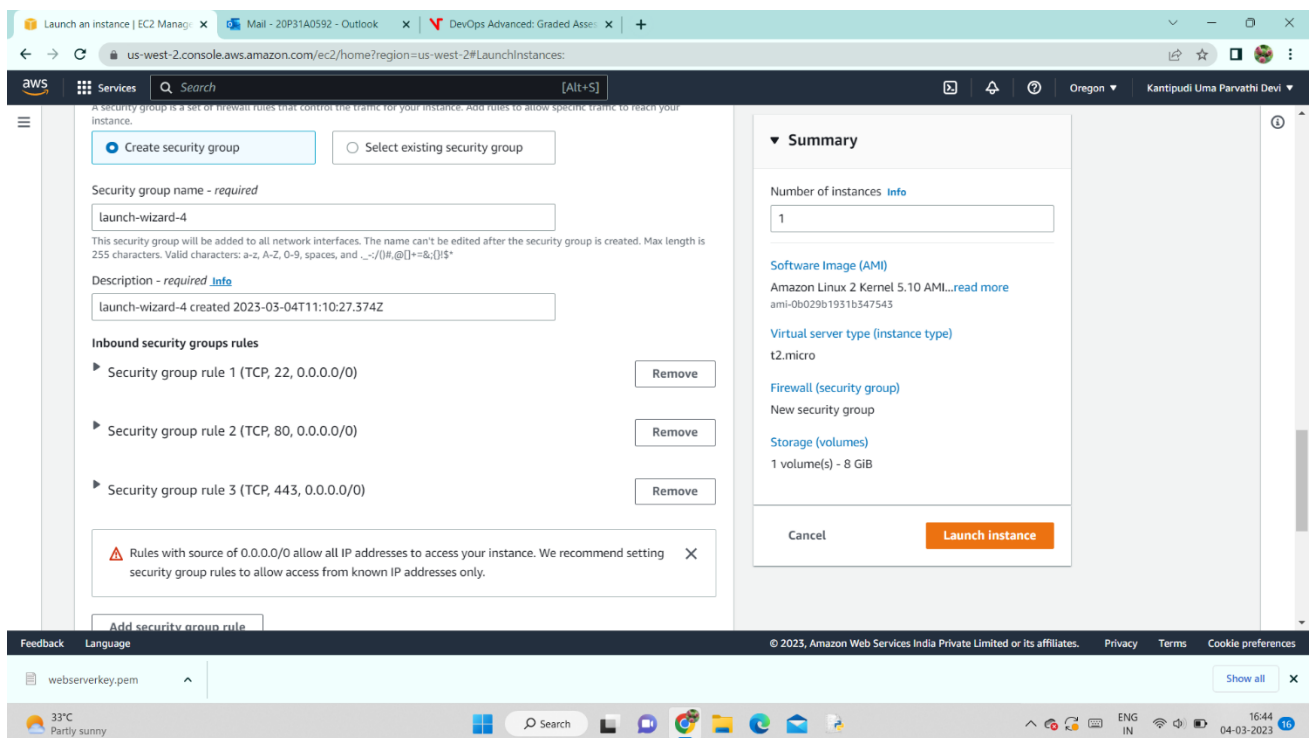
STEP 5 : create a key pair for your instance .If you already have a key pair ,you can also select it instead of creating a new one.



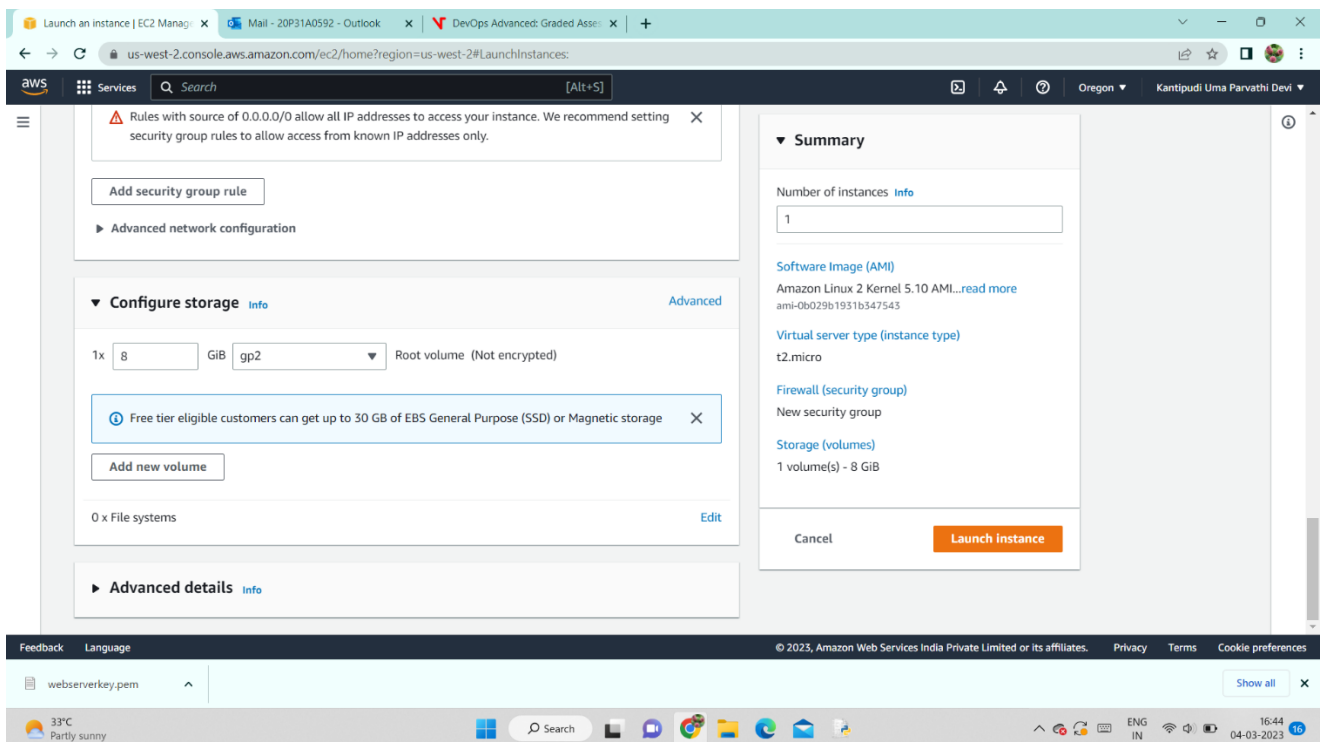
STEP 6: Choose a vpc and subnet for instance.



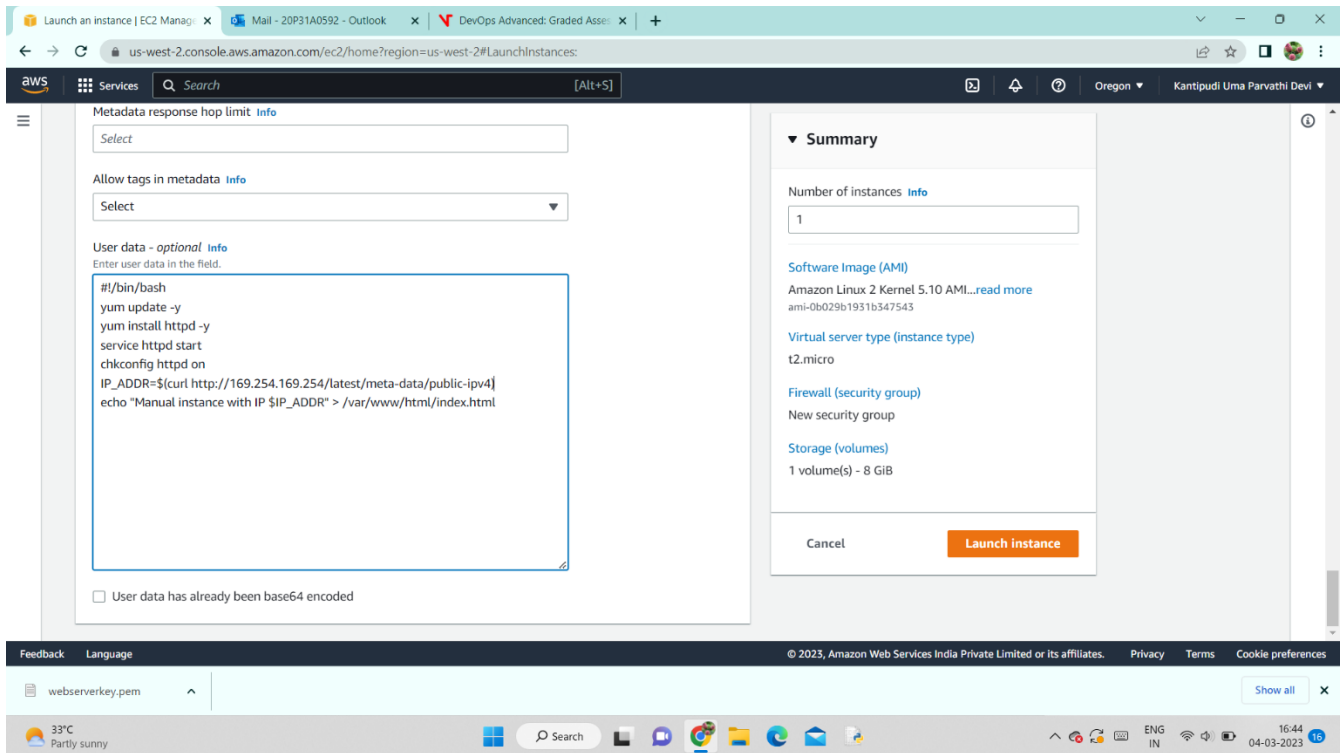
STEP 7 : Select a security group for your instance. If you don't have one then create a security group with your required traffic ports.



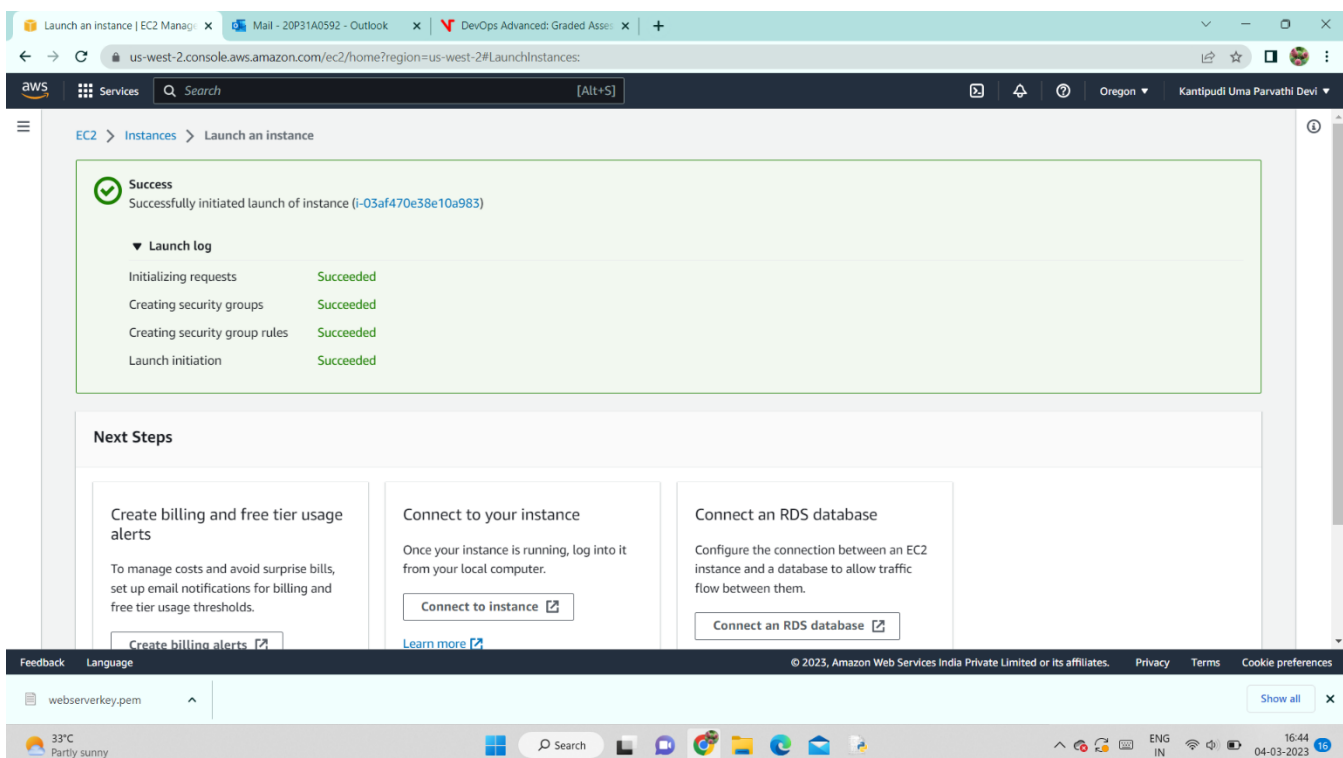
STEP 8 : Configure a Storage needed to your instance.



STEP 9 : Here I gave user data in advanced details . You can also give these commands once after you establish a connection with your instance.



STEP 10 : Click on "Launch Instance". After you launched your instance you can see log details as in below screenshot.



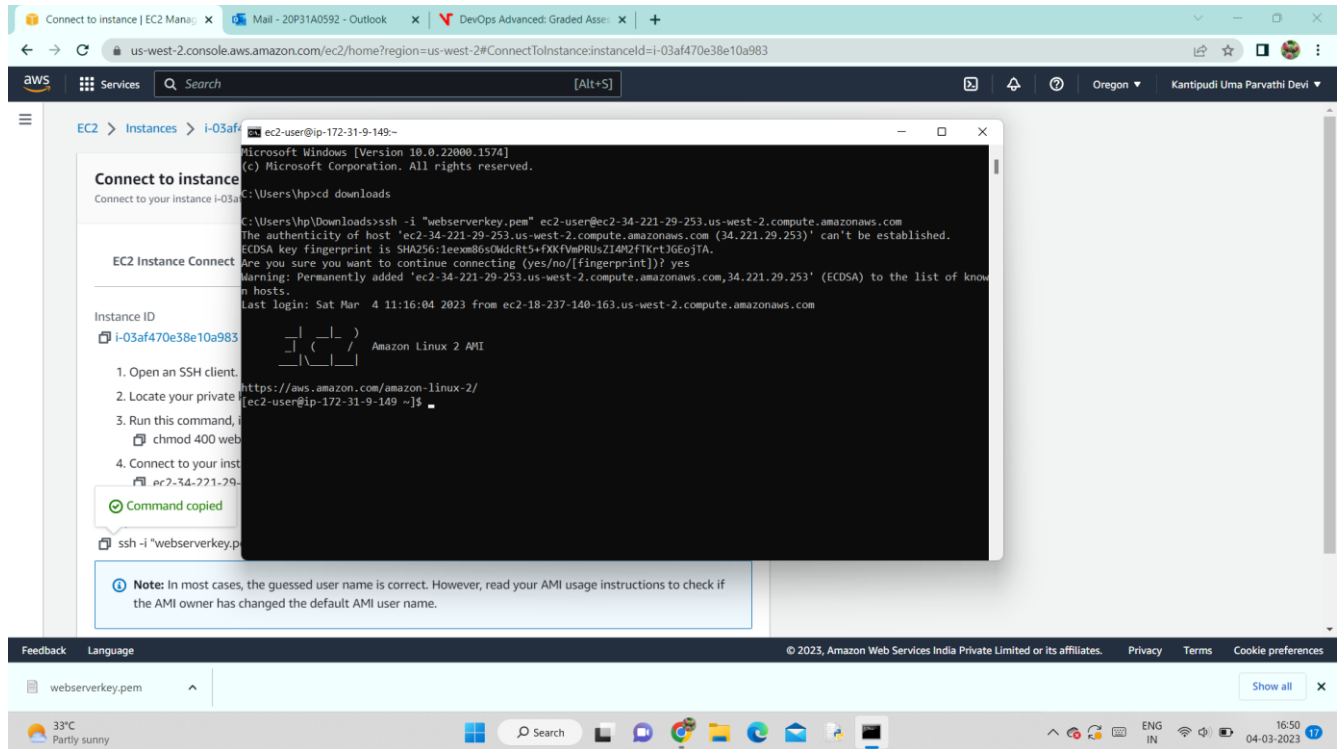
STEP 11 : Now move to instances. With in 1 o 2 minutes you can watch that your instance will come into a running state and having 2/2 checks passed status. Under your instance “details” you can find your instance private and public ipv4 addresses.

The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, a search bar, and the user's name 'Kantipudi Uma Parvathi Devi'. The left sidebar contains navigation links for 'New EC2 Experience', 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Scheduled Instances', 'Capacity Reservations', 'Images', and 'AMIs'. The main content area displays the 'Instances (1/1)' page. A table lists the instance 'webserver' with ID 'i-03af470e38e10a983', state 'Running', type 't2.micro', and '2/2 checks passed'. Below the table, the 'Instance: i-03af470e38e10a983 (webserver)' details are shown. The 'Details' tab is active, displaying the 'Instance summary' with fields for Instance ID, IPv4 address, Instance state, Hostname type, IP name, Answer private resource DNS name, Public IPv4 address, Private IPv4 addresses, Public IPv4 DNS, and Elastic IP addresses. The instance is running in the 'us-west-2' region.

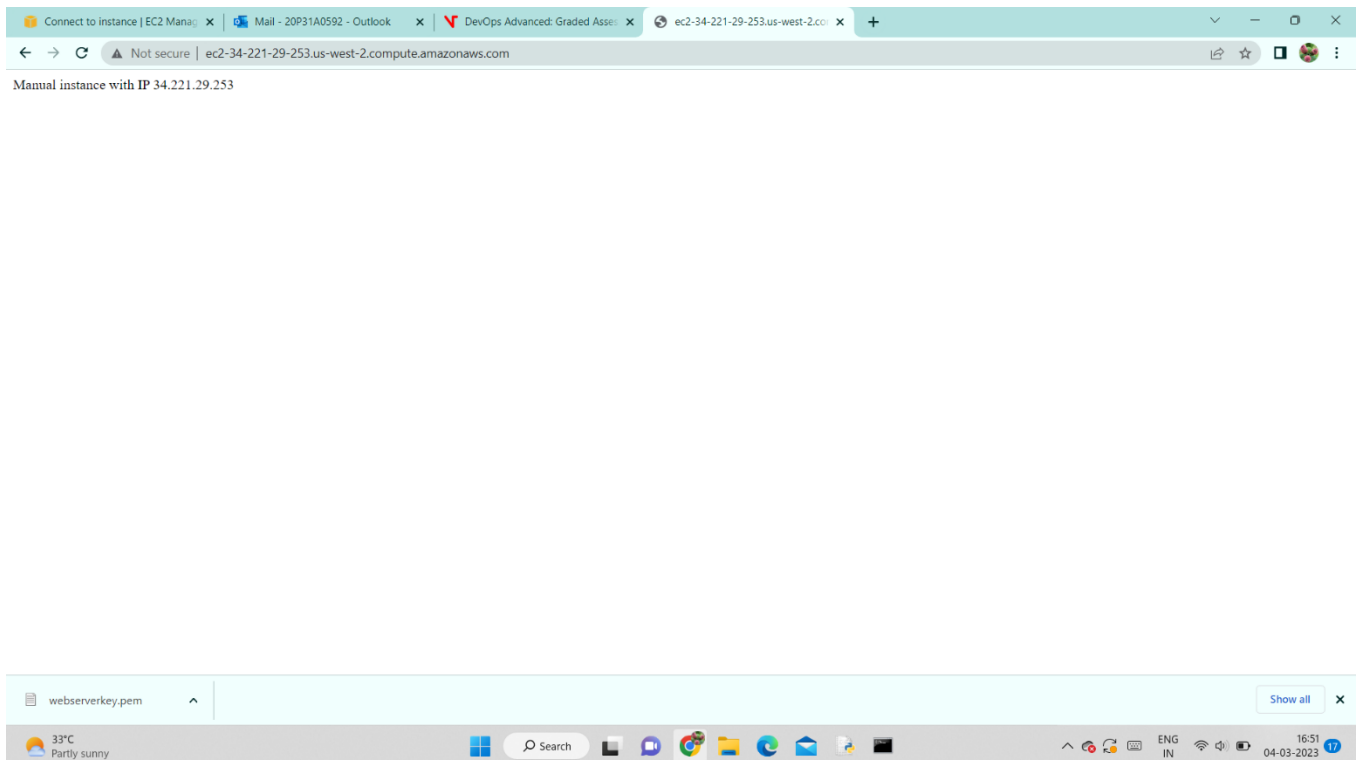
STEP 12 : In “Monitoring” section you can view the percentage of your resources utilization.

The screenshot shows the AWS Management Console interface, specifically the 'Monitoring' section for the EC2 instance 'webserver'. The top navigation bar and left sidebar are the same as in the previous screenshot. The main content area displays the 'Monitoring' tab, which shows various resource utilization metrics. The 'CPU utilization (%)' widget shows a graph with a peak of 2%. The 'Status check fail...' widget shows 'No data available'. The 'Status check failed (instanc...)' and 'Status check failed (system...)' widgets also show 'No data available'. The 'Network in (bytes)' widget shows a peak of 11.8k. The 'Network out (bytes)' widget shows a peak of 8.11k. The 'Network packets in (count)' widget shows a peak of 126. The 'Network packets out (count)' widget shows a peak of 104. The 'Disk reads (bytes)' widget shows a peak of 5.90k. The 'Disk read operations (opera...)' widget shows a peak of 4.06k. The 'Disk writes (bytes)' widget shows a peak of 126. The 'Disk write operations (oper...)' widget shows a peak of 104. The instance is running in the 'us-west-2' region.

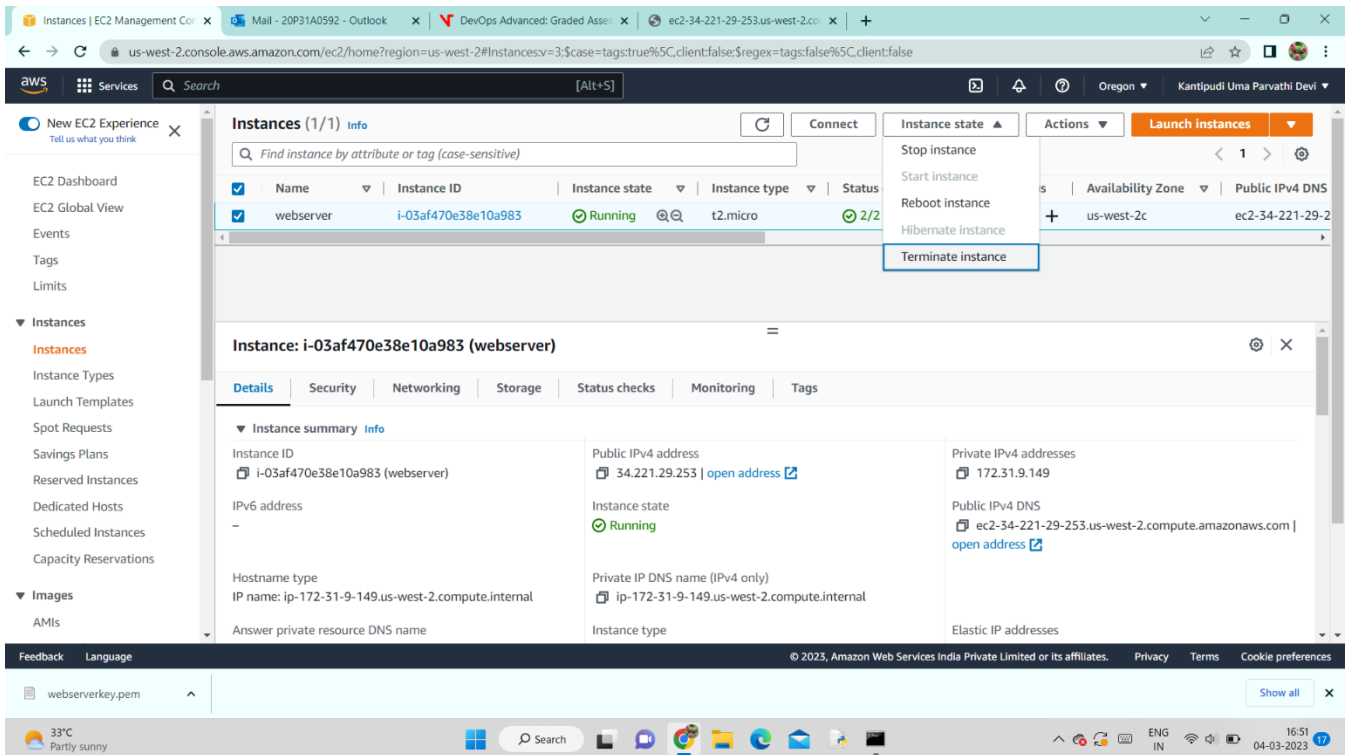
STEP 13 : To connect your ec2 instance to your local system, go to “connect” option in your EC2 instance and then click on “SSH client” . Then you can see SSH command that is used to connect to our instance through your local machine. Now copy that SSH command and paste it in command prompt.



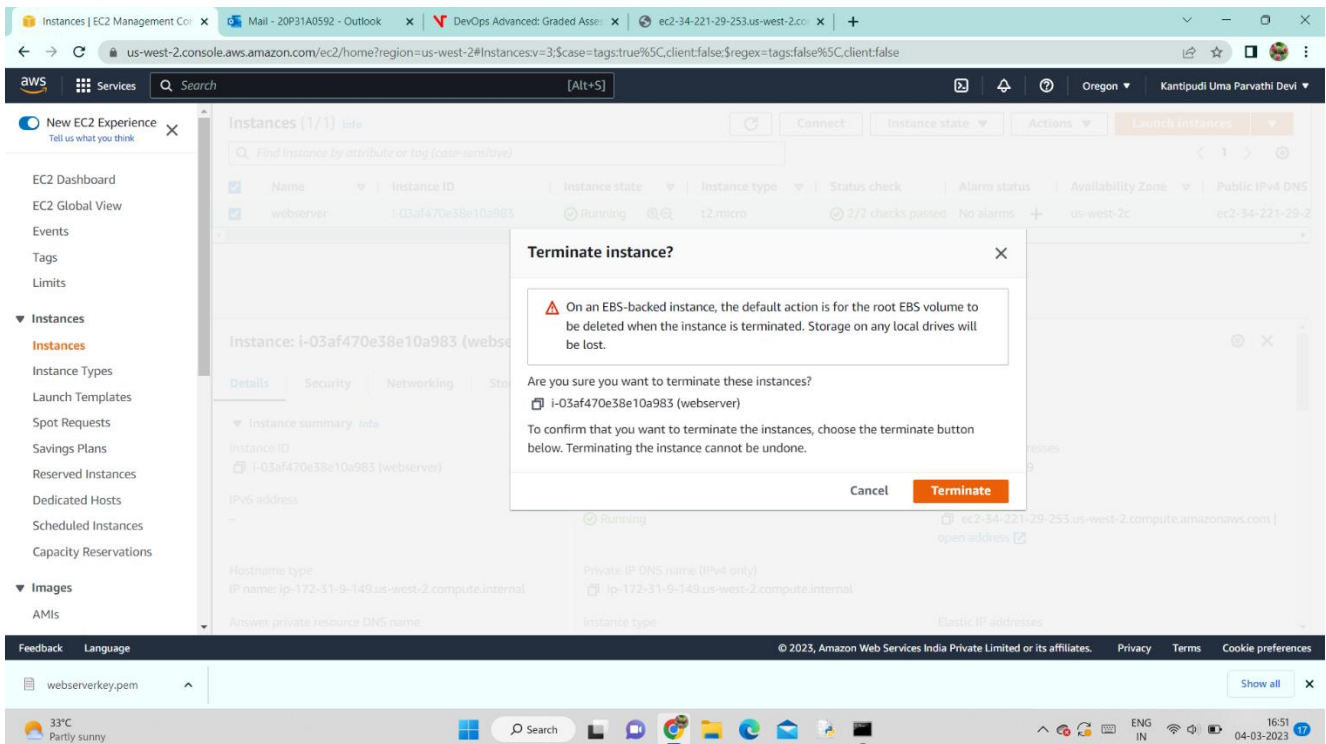
STEP 14: To check whether your instance is working or not paste a public IP of your instance in your local browser. It will show as below if it is working properly.



STEP 15 :After completion of your work with our instance, either stop it if you want to resume your work or else terminate it. To terminate your instance go to instance state and then click on “Terminate instance”.



STEP 16 : Click on terminate.



STEP 17 : Your instance will be terminated and will show a pop up message regarding termination.

The screenshot displays the AWS Management Console interface. At the top, a green notification banner states "Successfully terminated i-03af470e38e10a983". Below this, the "Instances (1) Info" section is visible, featuring a search bar and a table of instances. The table contains one entry: "webserver" with Instance ID "i-03af470e38e10a983", Instance state "Terminated", Instance type "t2.micro", Status check "-", Alarm status "No alarms", Availability Zone "us-west-2c", and Public IPv4 DNS "-". Below the table, a "Select an instance" dialog box is open. The left sidebar shows the navigation menu with categories like "EC2 Dashboard", "Events", "Tags", "Limits", "Instances", "Images", and "AMIs". The bottom of the console shows the footer with "Feedback", "Language", and copyright information. The Windows taskbar at the very bottom shows the date as 04-03-2023 and time as 16:54.

Instances | EC2 Management Console | Mail - 20P31A0592 - Outlook | DevOps Advanced: Graded Assessment | ec2-34-221-29-253.us-west-2.amazonaws.com | +

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:v=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

aws Services Search [Alt+S] Oregon Kantipudi Uma Parvathi Devi

New EC2 Experience Tell us what you think

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EC2 Global View
Events
Tags
Limits

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Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations

▼ Images
AMIs

Successfully terminated i-03af470e38e10a983

Instances (1) Info

Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	webserver	i-03af470e38e10a983	Terminated	t2.micro	-	No alarms	us-west-2c	-

Select an instance

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webserverkey.pem Show all

33°C Partly sunny Search ENG IN 16:54 04-03-2023