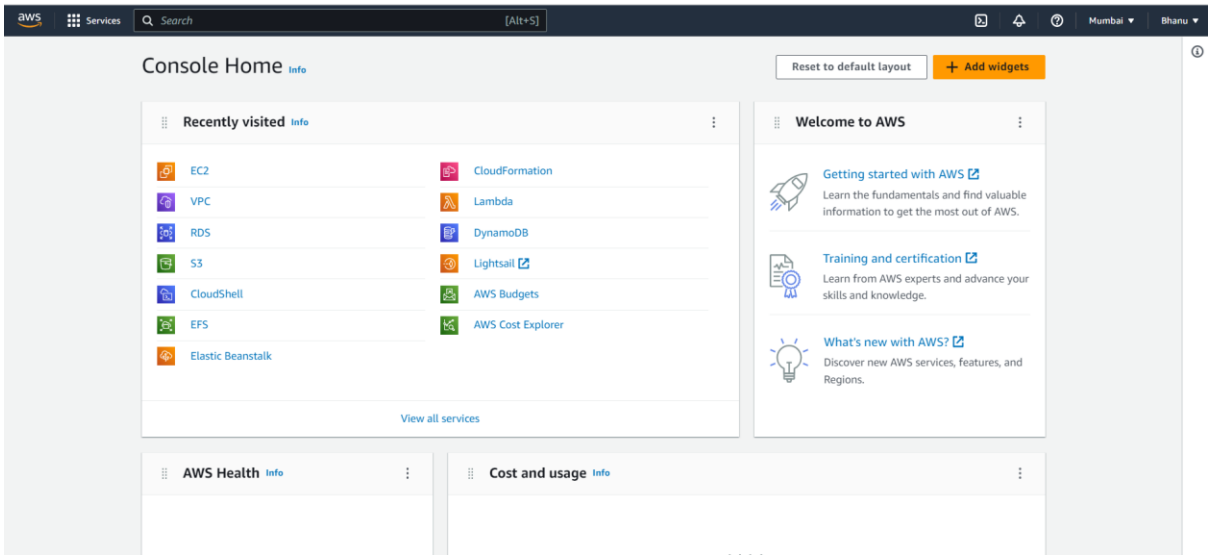
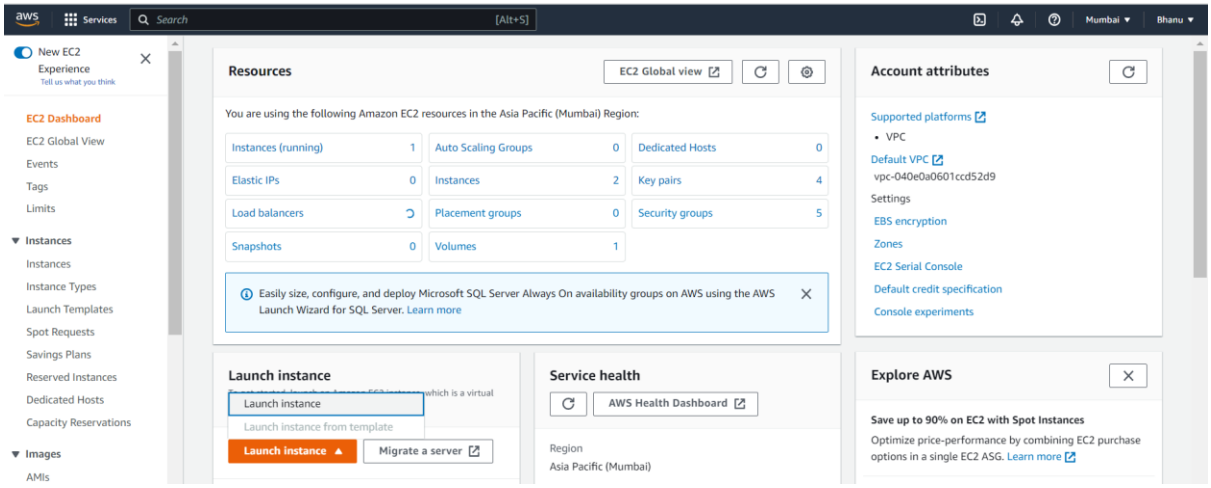
EC2-AWS

*Log in to the console.



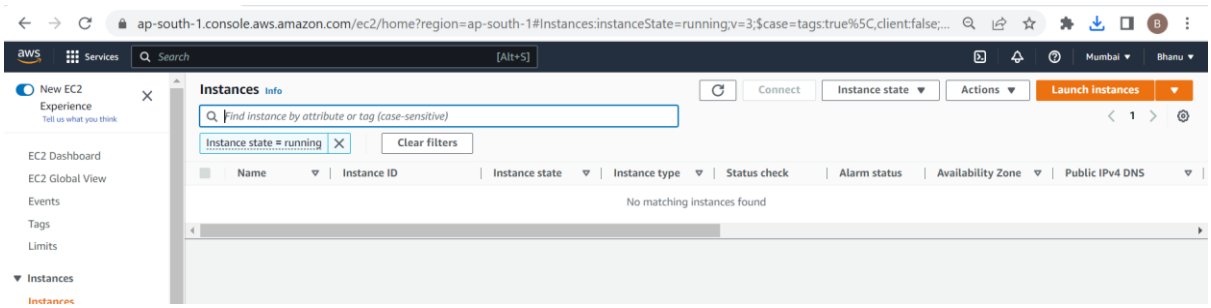
**Open EC2 dashboard,click on the launch instance.



Step1

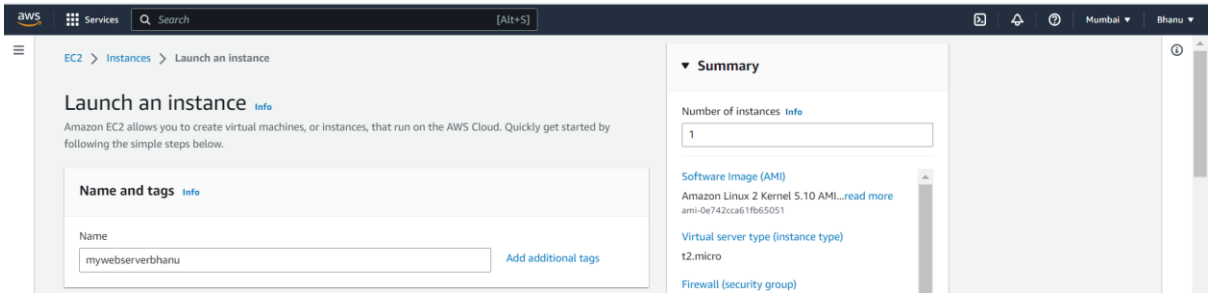
:You can see the EC2 instance launch page.

It shows the instances which are available.Currently we don't have any instances.



Step2:

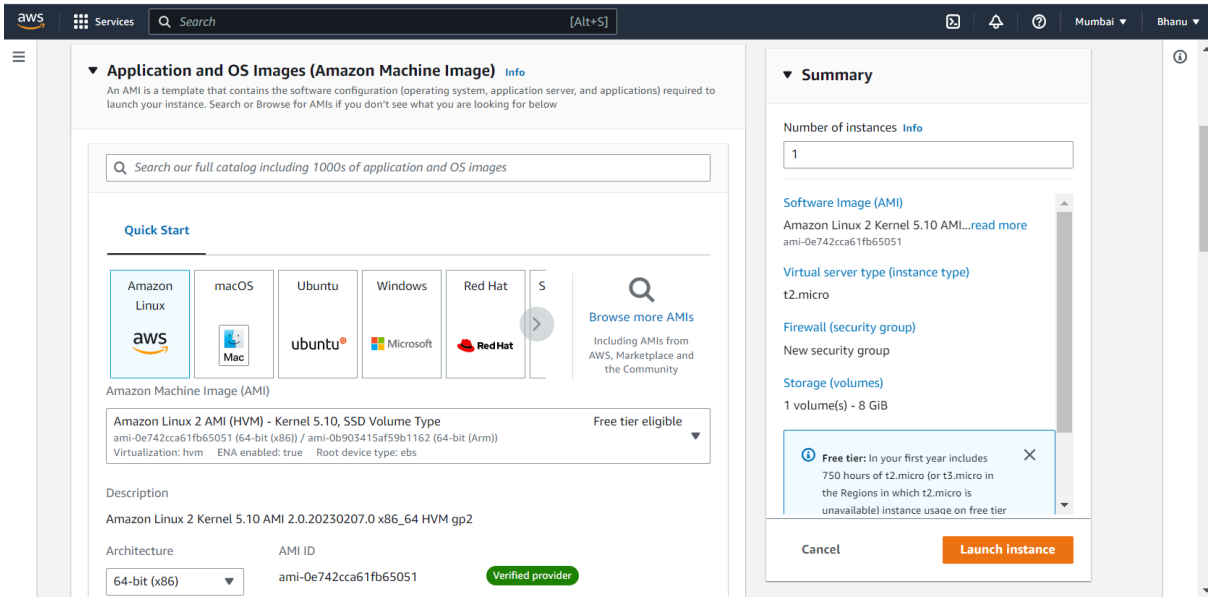
Once you click the launch an instance ,give the name for the instane as mywebserverbhanu

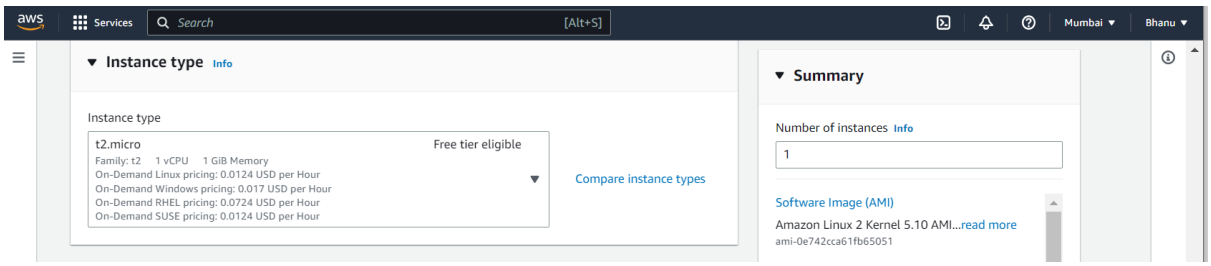


Step3:

Select the amazon machine image.

Select Amazon linux machine image. And the type of instance is t2.micro

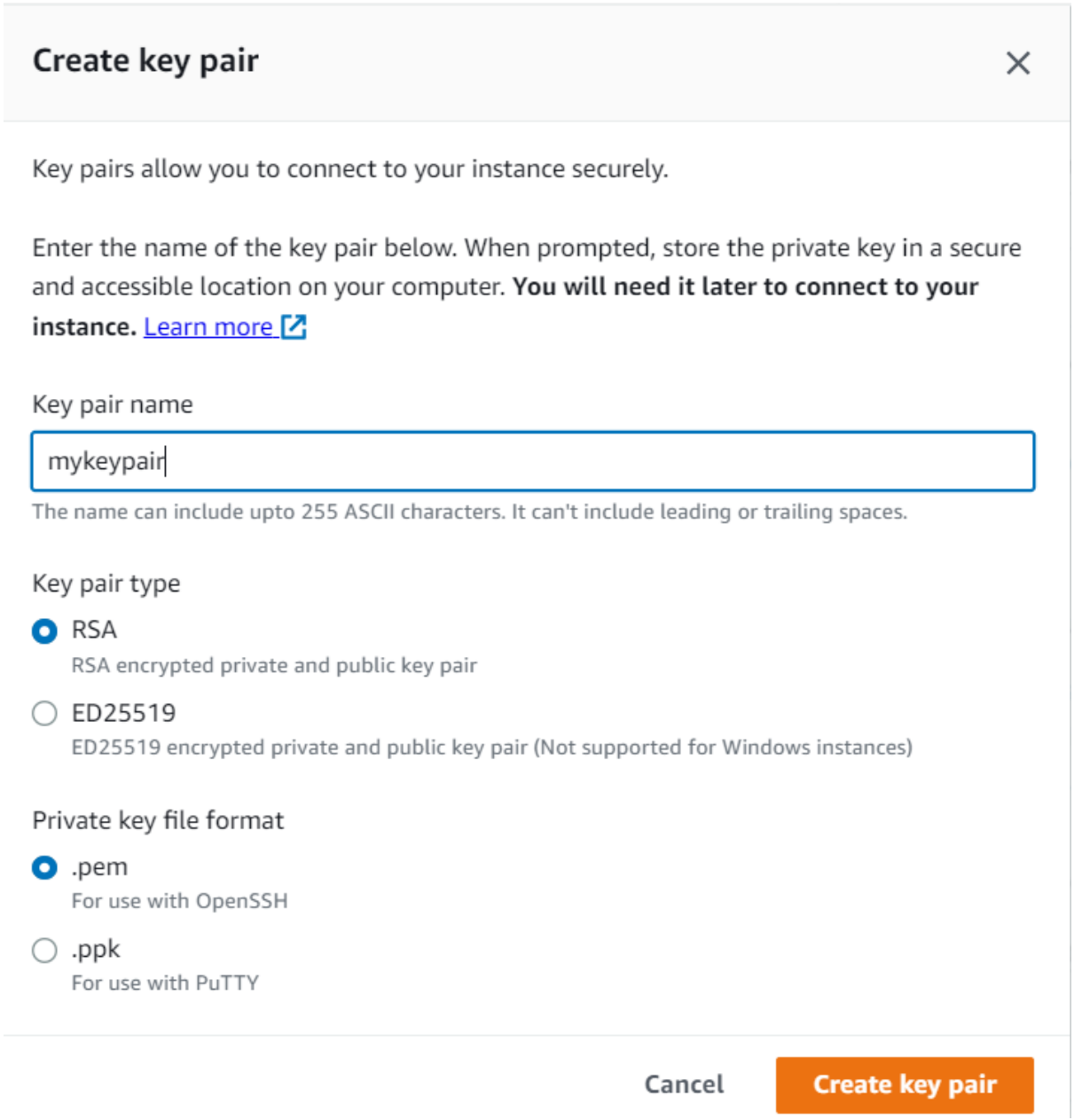


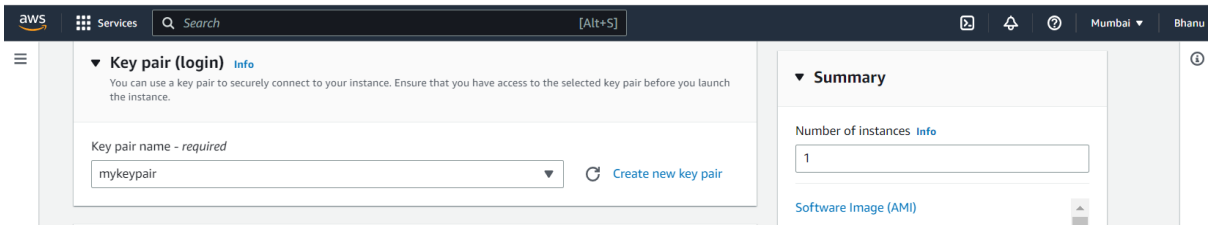


Step4

:Create a new key pair.

Give the name for the keypair ,and the .pem file will be downloaded to your local machine.

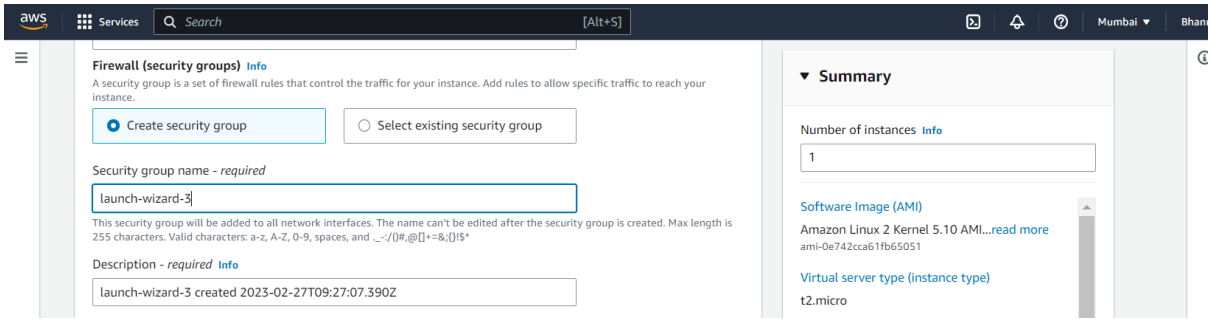


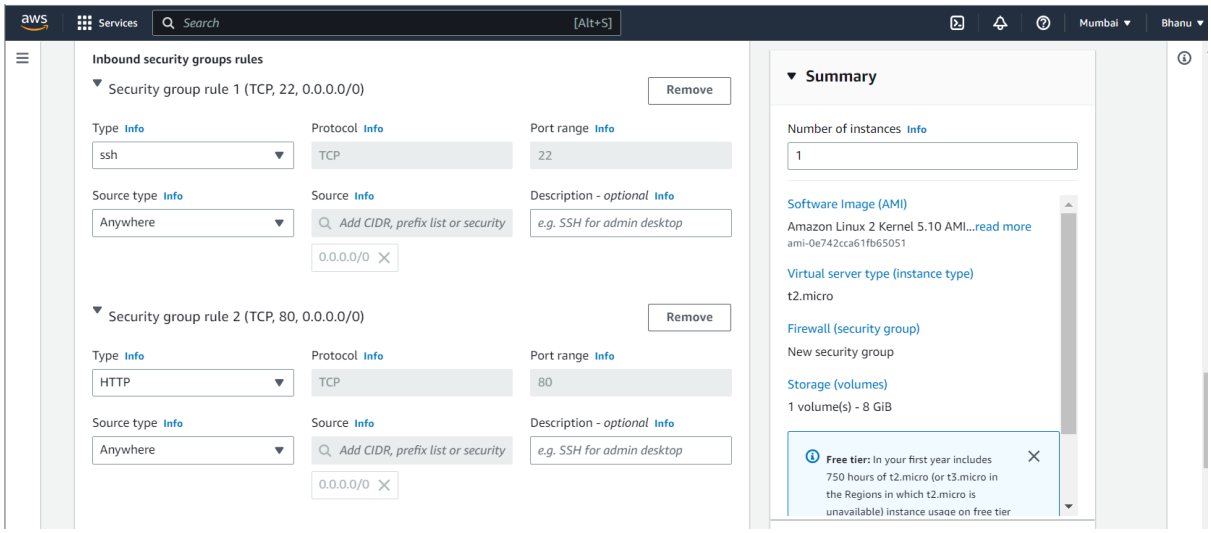


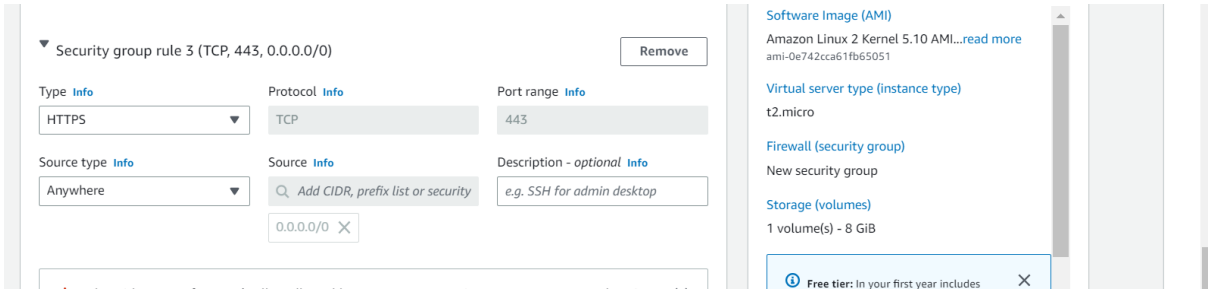
Step5:

Create a new security group and edit the inbound security rules.

Allow SSH,HTTP,HTTPS traffic.



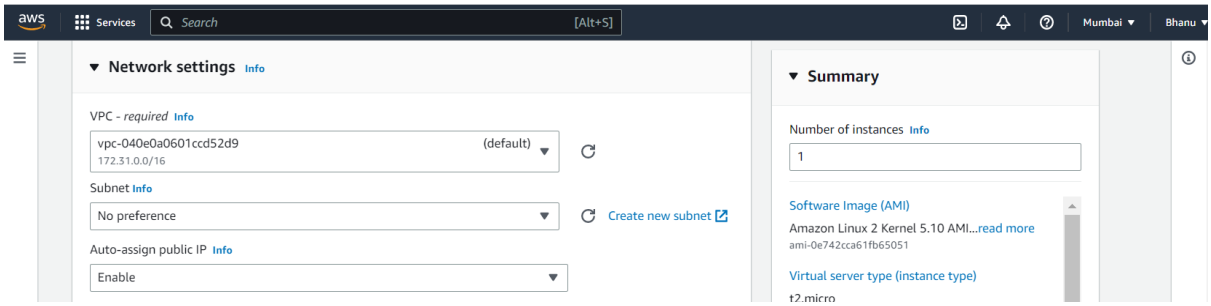




Step6:

EC2 VPC and Subnet selection.

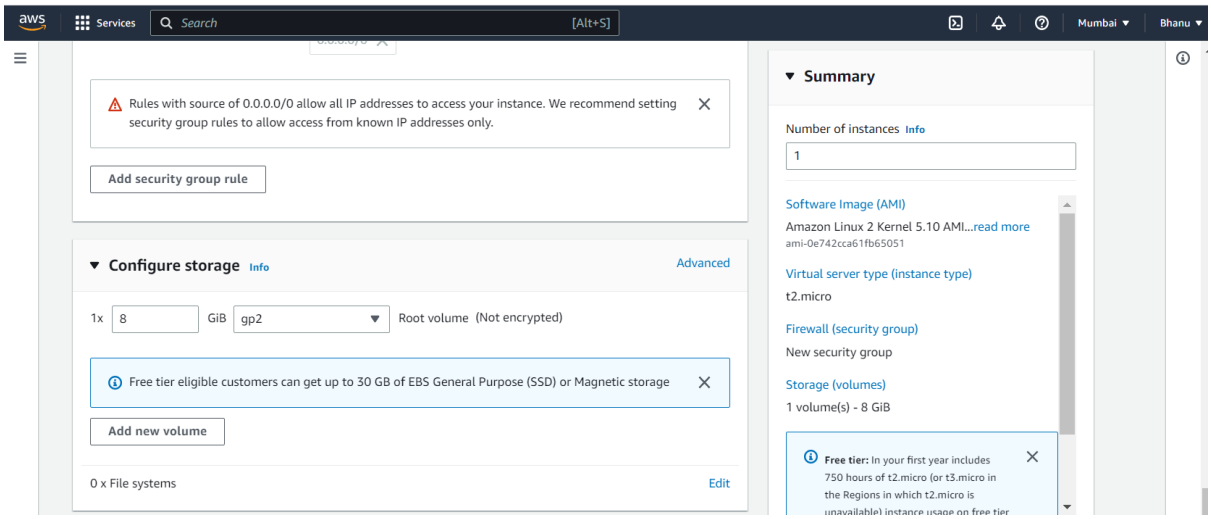
Select the default vpc available in that region.



Step7:

EC2 EBS volume selection.

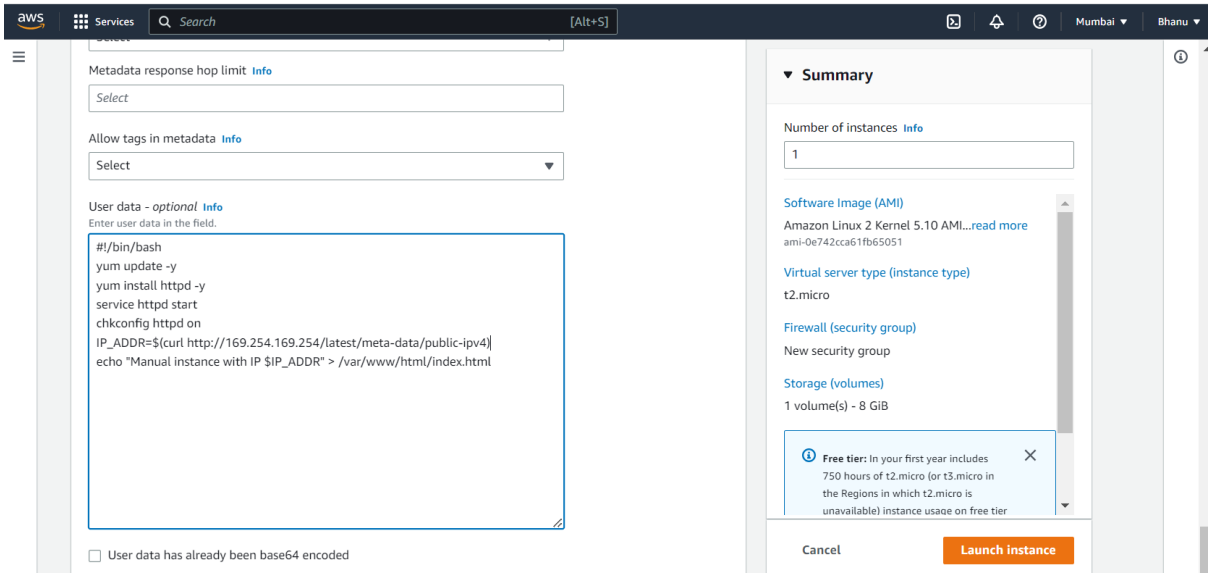
allocate 8Gib of storage,you can also give more than that.



Step8:

User data insertion page with below command.

Under the advanced settings tab,we can see the user data .Give the following code in the box mentioned.



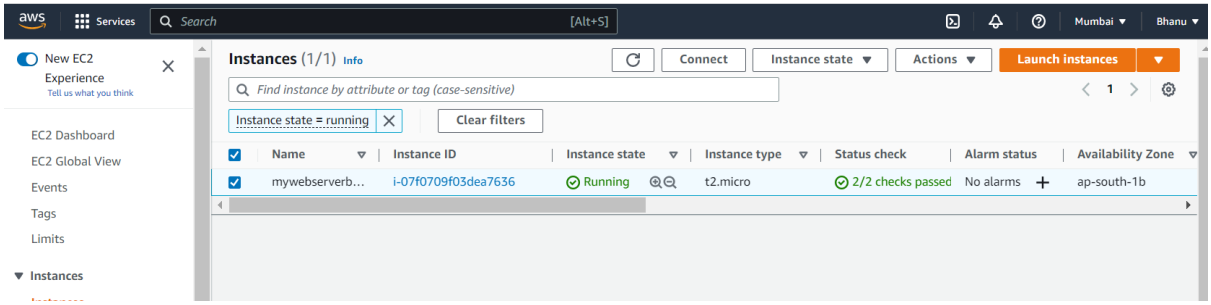
Step9:

EC2 launch logs

Once you click on launch instance,the security groups,initializes requests,and launches the instance.

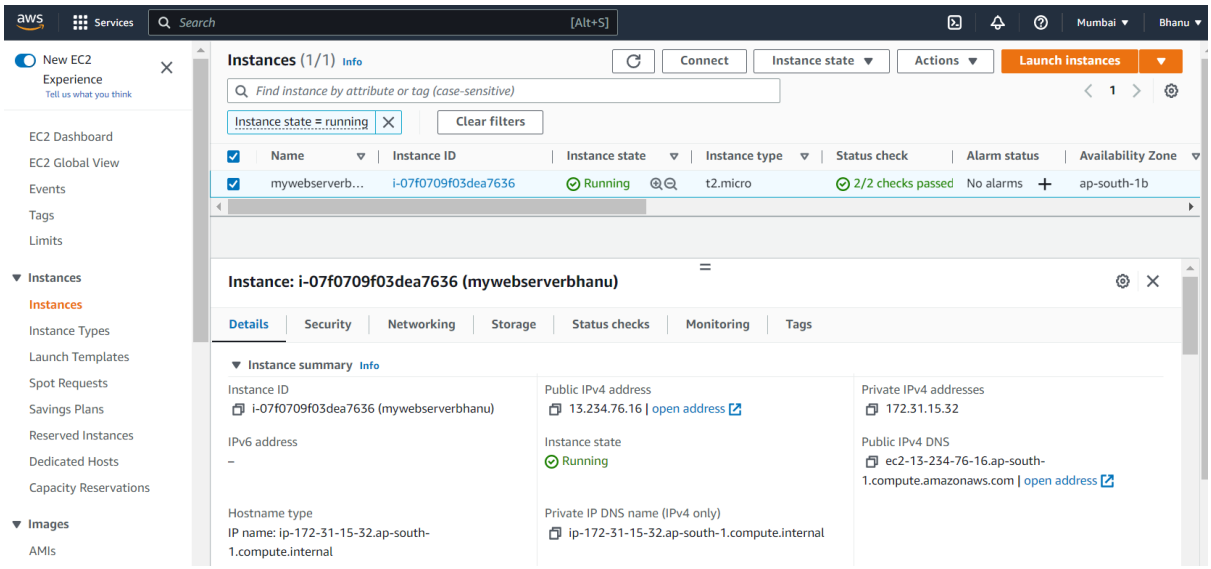
Step 10:

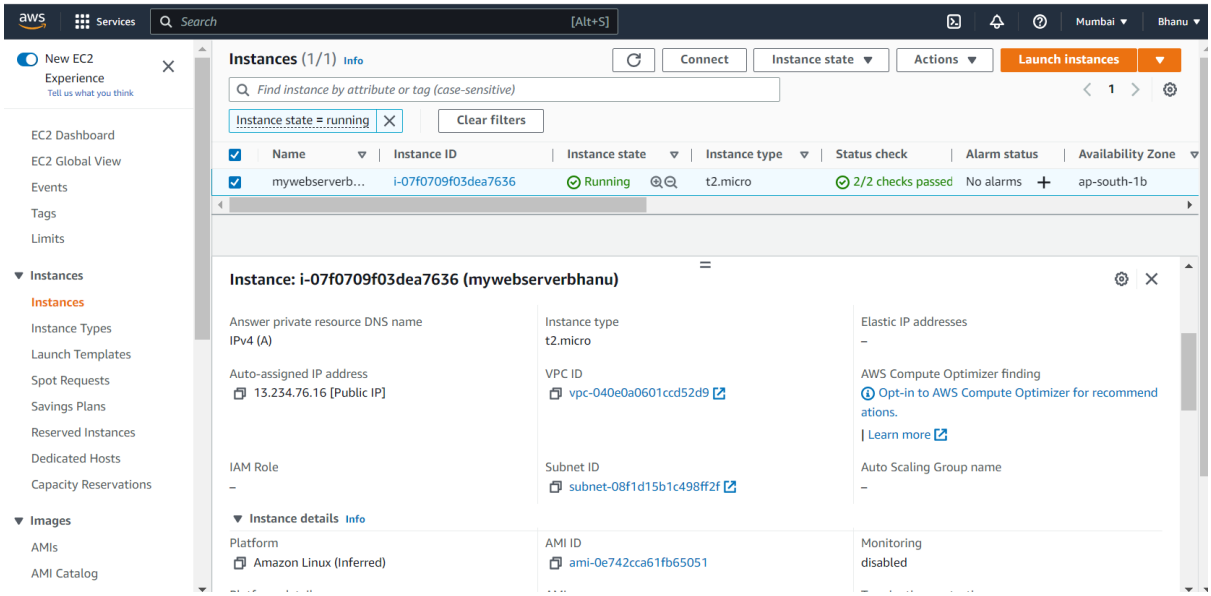
EC2 instance running state.

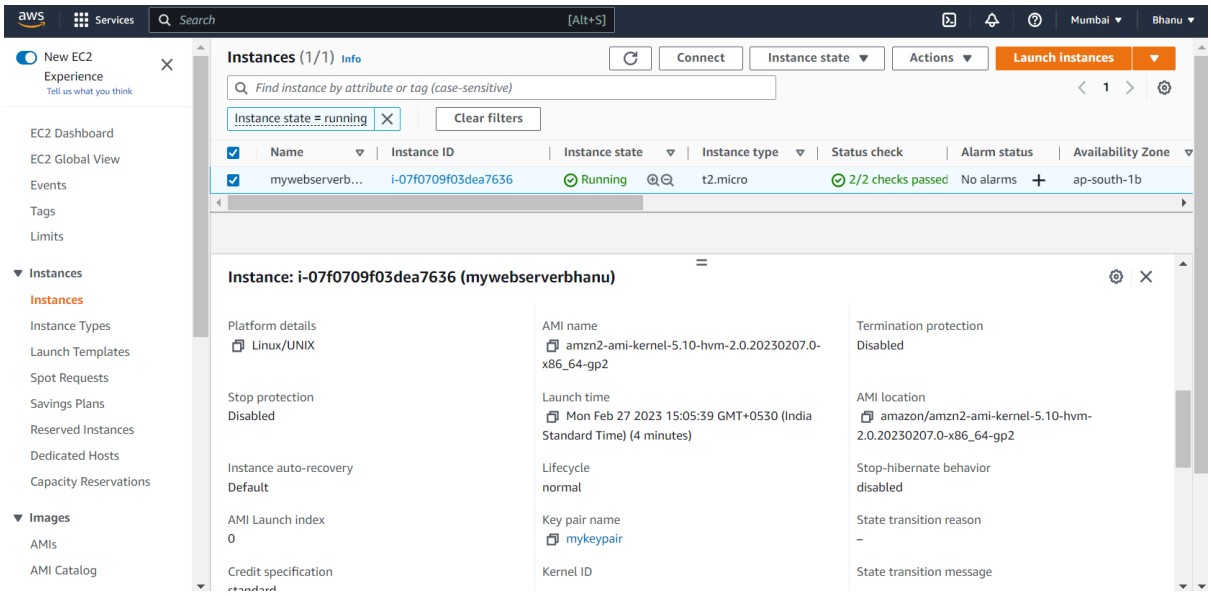


Step 11:

EC2 summary page with public ip and private ip.

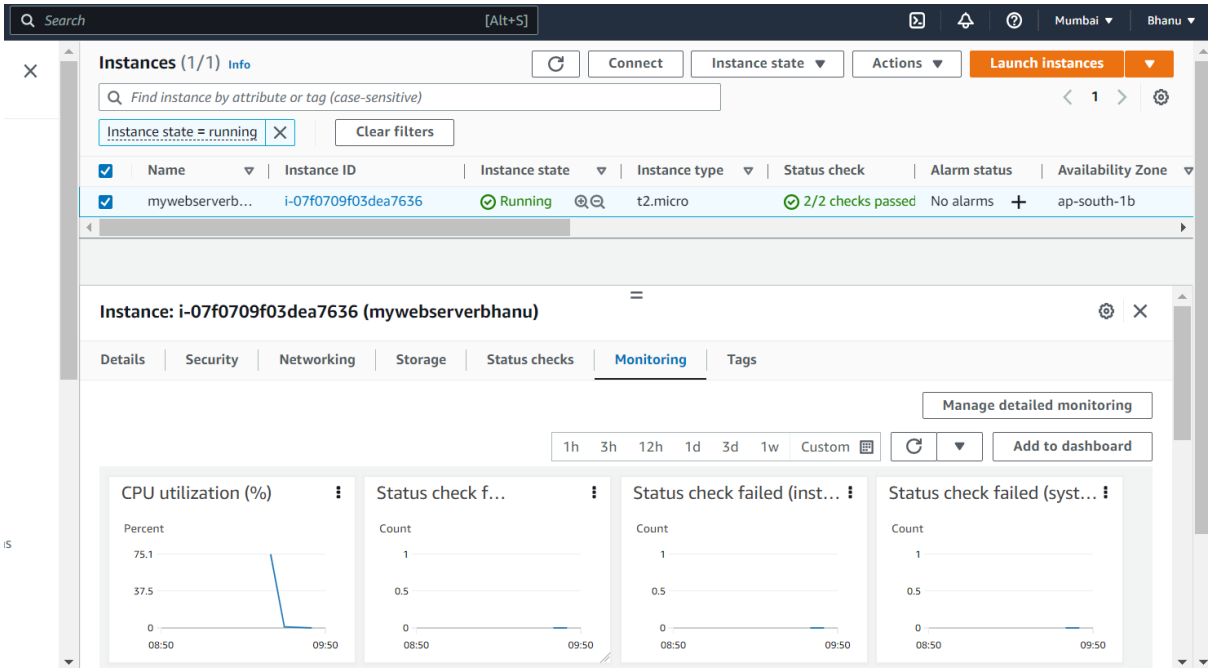


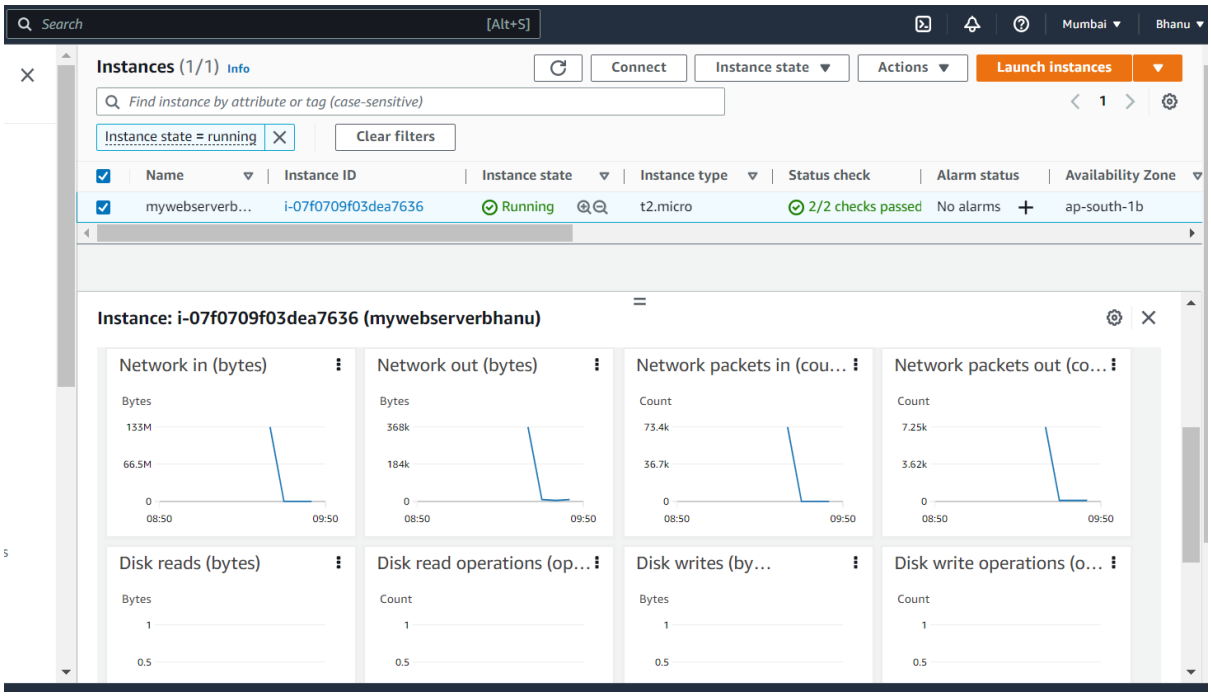

aws
Services
Search
[Alt+S]
Mumbai
Bhanu
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Instance state = running
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
mywebserverb...
i-07f0709f03dea7636
Running
t2.micro
2/2 checks passed
No alarms
ap-south-1b
Instance: i-07f0709f03dea7636 (mywebserverbhanu)
Answer private resource DNS name
IPv4 (A)
Instance type
t2.micro
Elastic IP addresses
–
Auto-assigned IP address
13.234.76.16 [Public IP]
VPC ID
vpc-040e0a0601ccd52d9
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations.
Learn more
IAM Role
–
Subnet ID
subnet-08f1d15b1c498ff2f
Auto Scaling Group name
–
Instance details Info
Platform
Amazon Linux (Inferred)
AMI ID
ami-0e742cca61fb65051
Monitoring
disabled

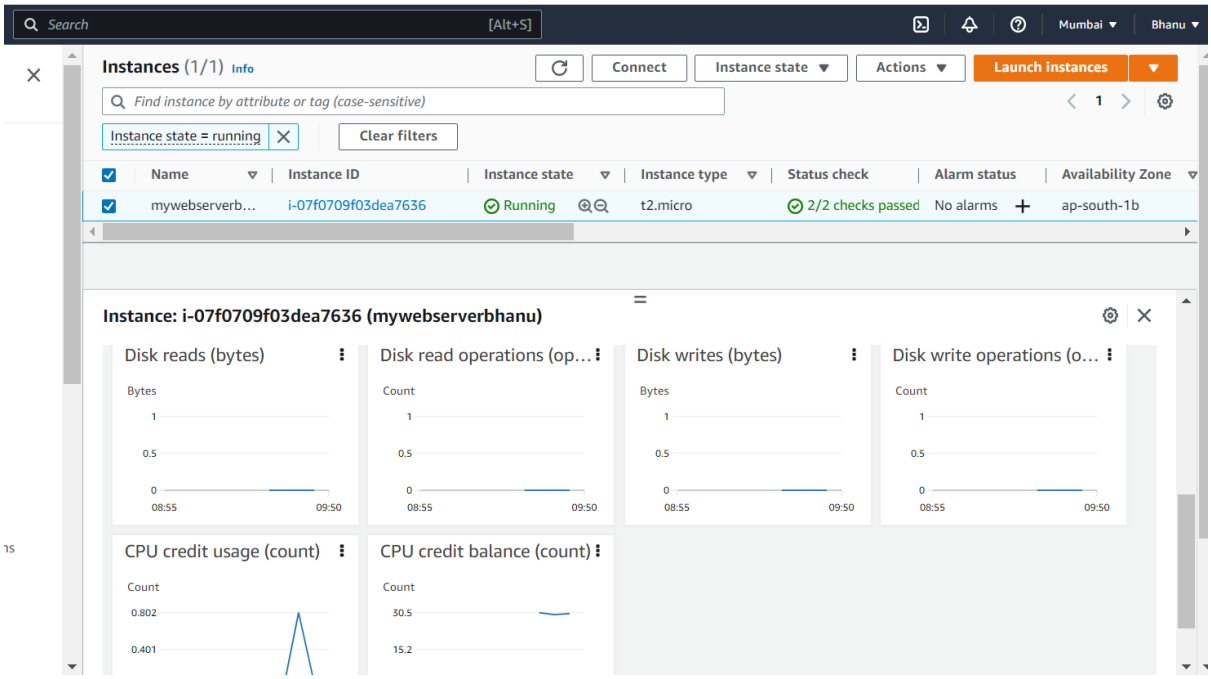

aws
Services
Search
[Alt+S]
Mumbai
Bhanu
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Instance state = running
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
mywebserverb...
i-07f0709f03dea7636
Running
t2.micro
2/2 checks passed
No alarms
ap-south-1b
Instance: i-07f0709f03dea7636 (mywebserverbhanu)
Platform details
Linux/UNIX
AMI name
amzn2-ami-kernel-5.10-hvm-2.0.20230207.0-x86_64-gp2
Termination protection
Disabled
Stop protection
Disabled
Launch time
Mon Feb 27 2023 15:05:39 GMT+0530 (India Standard Time) (4 minutes)
AMI location
amazon/amzn2-ami-kernel-5.10-hvm-2.0.20230207.0-x86_64-gp2
Instance auto-recovery
Default
Lifecycle
normal
Stop-hibernate behavior
disabled
AMI Launch index
0
Key pair name
mykeypair
State transition reason
–
Credit specification
Kernel ID
State transition message

Step 12:

EC2 monitoring page







Step 13:

SSH Access of EC2 instance in local machine.

root@ip-172-31-15-32:/var/www/html

```
C:\Users\DELL\Downloads>ssh -i "mykeypair.pem" ec2-user@ec2-13-234-76-16.ap-south-1.compute.amazonaws.com
Last login: Mon Feb 27 09:43:43 2023 from 157.48.235.6

       __|  __|_  )
       _|  (     /   Amazon Linux 2 AMI
      ___|\___|___|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-15-32 ~]$ sudo su
[root@ip-172-31-15-32 ec2-user]# cd ..
[root@ip-172-31-15-32 home]# ls
ec2-user
[root@ip-172-31-15-32 home]# ls -la
total 0
drwxr-xr-x  3 root     root      22 Feb 27 09:36 .
dr-xr-xr-x 18 root     root     257 Feb 27 09:36 ..
drwx------  3 ec2-user ec2-user  74 Feb 27 09:36 ec2-user
[root@ip-172-31-15-32 home]# cd ..
[root@ip-172-31-15-32 /]# ls -la
total 16
dr-xr-xr-x  18 root root  257 Feb 27 09:36 .
dr-xr-xr-x  18 root root  257 Feb 27 09:36 ..
-rw-r--r--   1 root root    0 Feb 27 09:36 .autorelabel
lrwxrwxrwx   1 root root    7 Feb  8 21:50 bin -> usr/bin
dr-xr-xr-x   4 root root 4096 Feb 27 09:36 boot
drwxr-xr-x  15 root root 2900 Feb 27 09:36 dev
drwxr-xr-x  82 root root 8192 Feb 27 09:36 etc
drwxr-xr-x   3 root root   22 Feb 27 09:36 home
lrwxrwxrwx   1 root root    7 Feb  8 21:50 lib -> usr/lib
lrwxrwxrwx   1 root root    9 Feb  8 21:50 lib64 -> usr/lib64
drwxr-xr-x   2 root root    6 Feb  8 21:49 local
drwxr-xr-x   2 root root    6 Apr  9  2019 media
drwxr-xr-x   2 root root    6 Apr  9  2019 mnt
drwxr-xr-x   4 root root   27 Feb  8 21:51 opt
dr-xr-xr-x 173 root root    0 Feb 27 09:35 proc
dr-xr-x---   3 root root  103 Feb 27 09:36 root
drwxr-xr-x  29 root root 1000 Feb 27 09:41 run
lrwxrwxrwx   1 root root    8 Feb  8 21:50 sbin -> usr/sbin
drwxr-xr-x   2 root root    6 Apr  9  2019 srv
dr-xr-xr-x  13 root root    0 Feb 27 09:35 sys
```

Step 14:

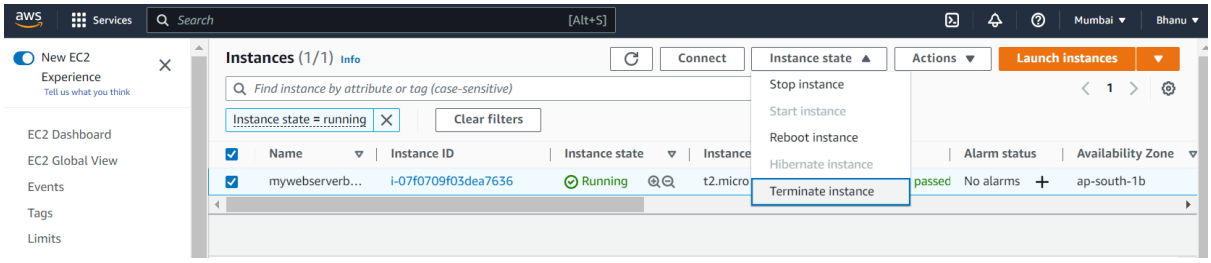
Browsing EC2 instance in the Browser Local Machine.

Copy the public ip address in browser and it shows the following output.

Step 15:

Terminating the resource.

Select the instance,under the instance state click on terminate instance.



*Click on terminate.Then the resource will be terminated.