

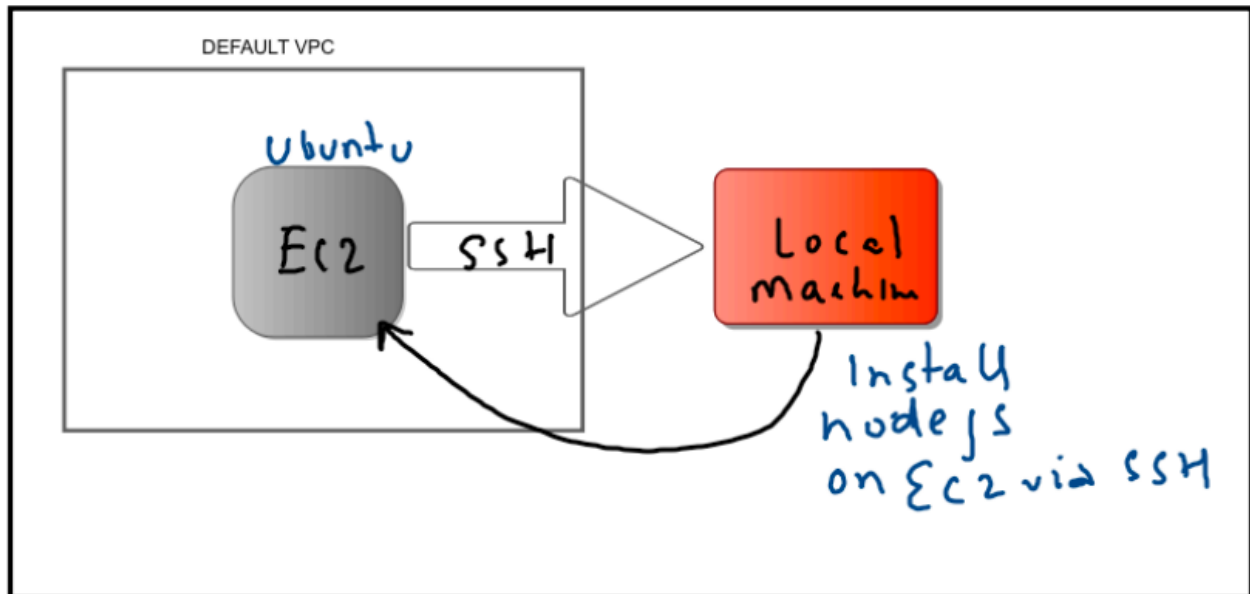
# EC2

## Assignment:

Task:---

Assignment Afternoon Batch Aditya College DevOps Advance - EC2 instance

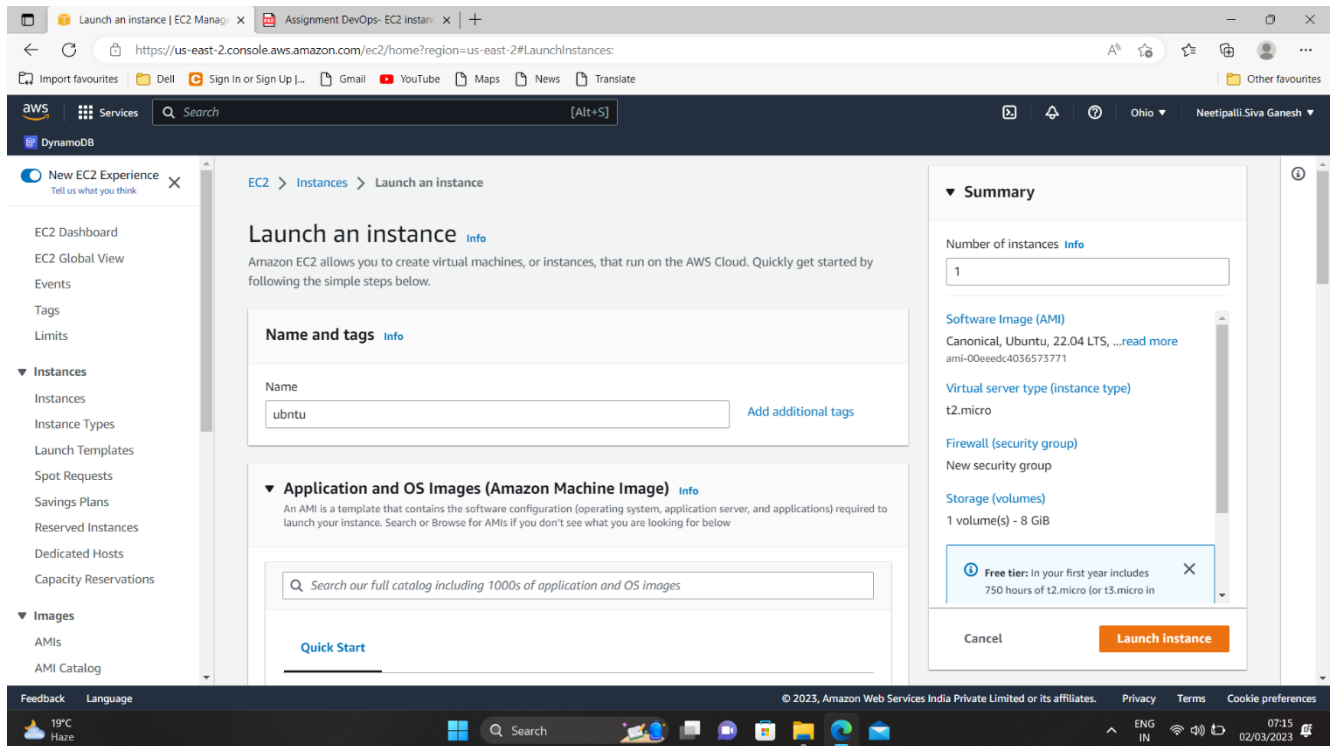
### Architecture



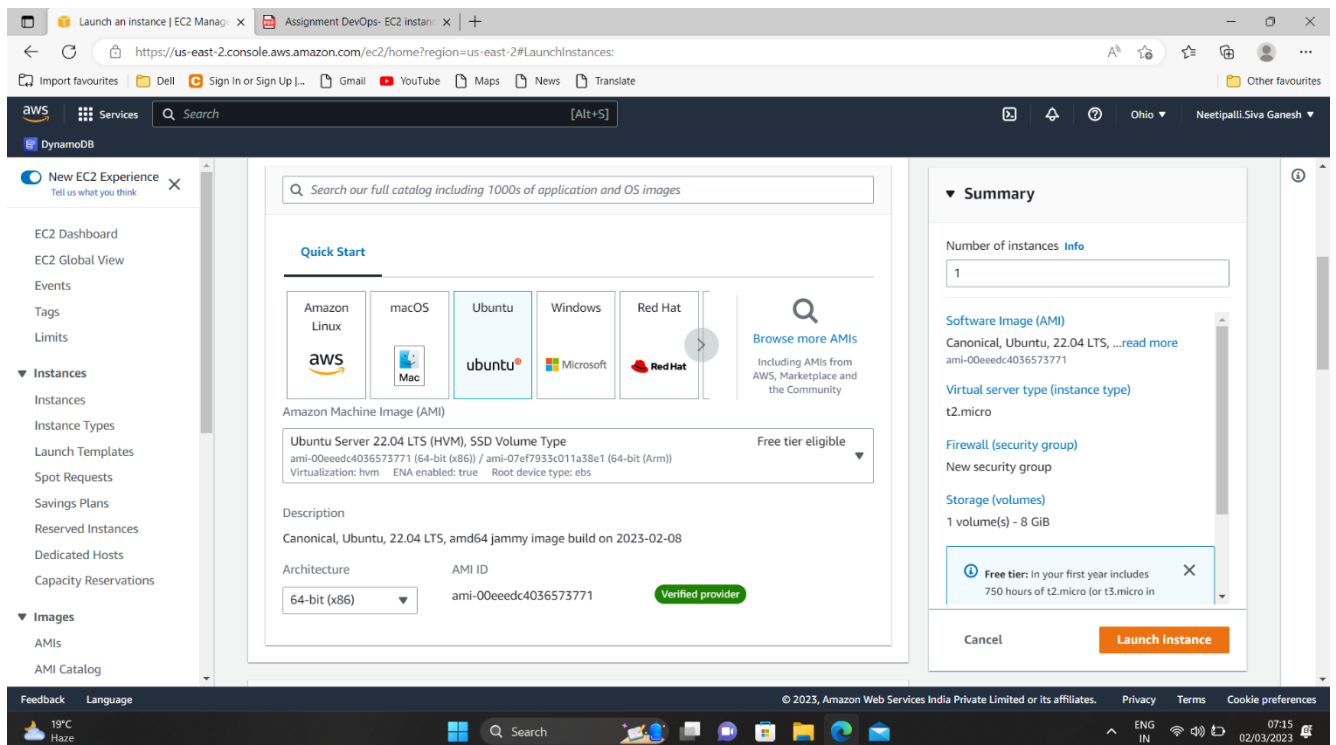
### Goals:

1. Create EC2 Instance with Ubuntu AMI.
2. Create Key pair for SSH Access .
3. Create Security Group with SSH and HTTP/HTTPs Ports Enabled.
4. SSH Created EC2 Instance to local Machine.
5. Install Nodejs in th Ubuntu machine.
6. Check the status of nodejs.

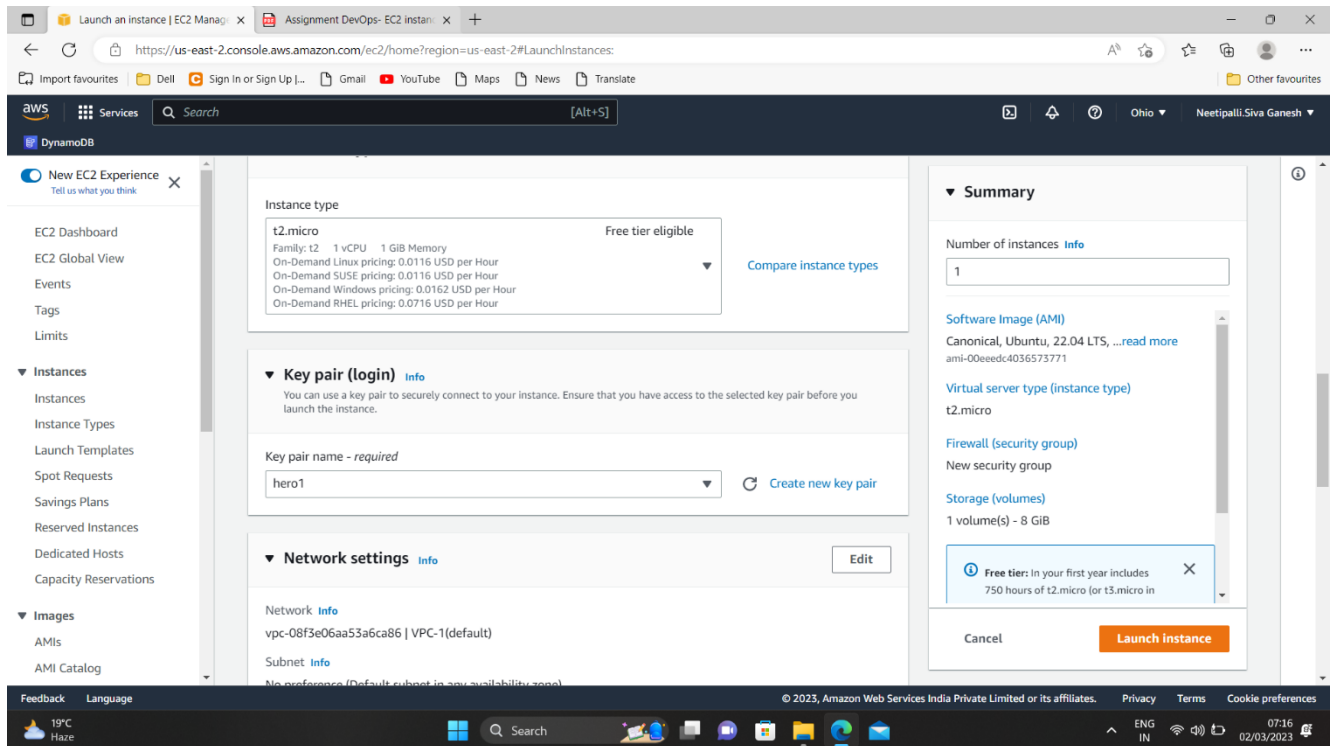
## Step1:-click on Launch instance



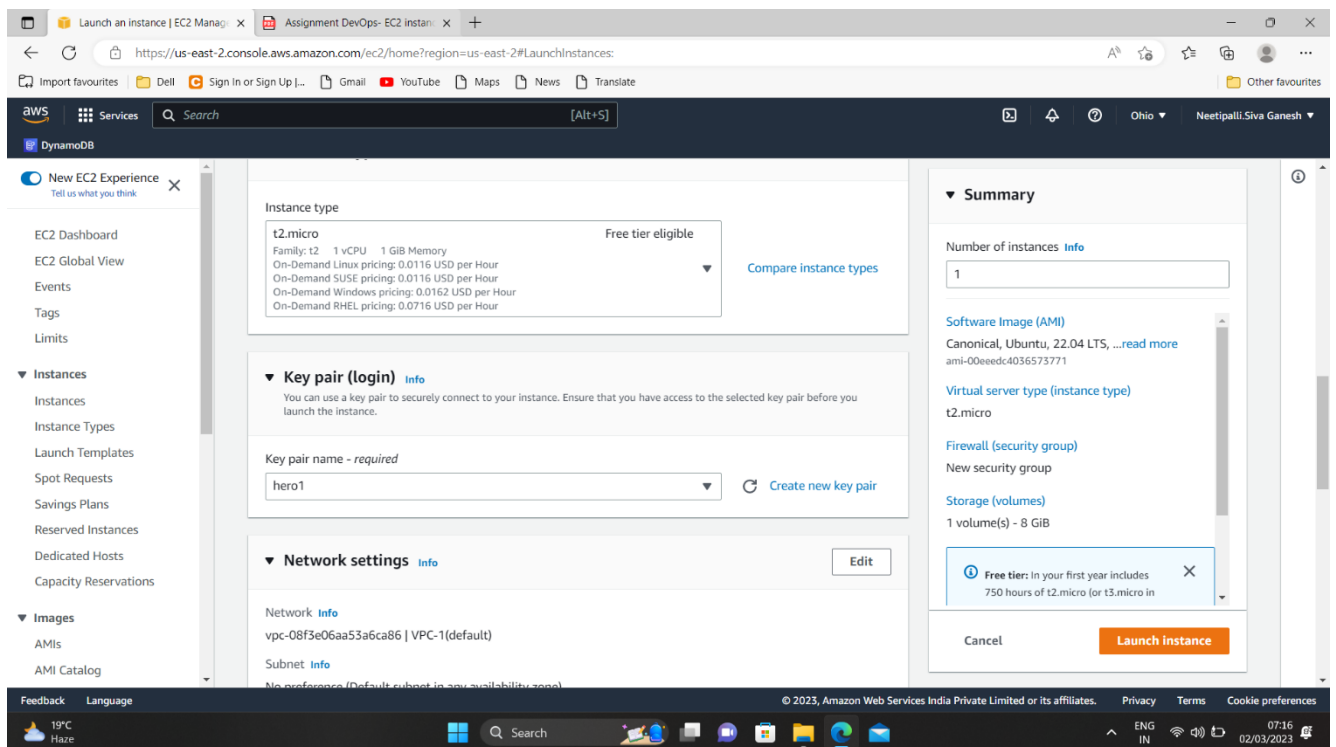
## Step2:-Select Ubuntu AMI



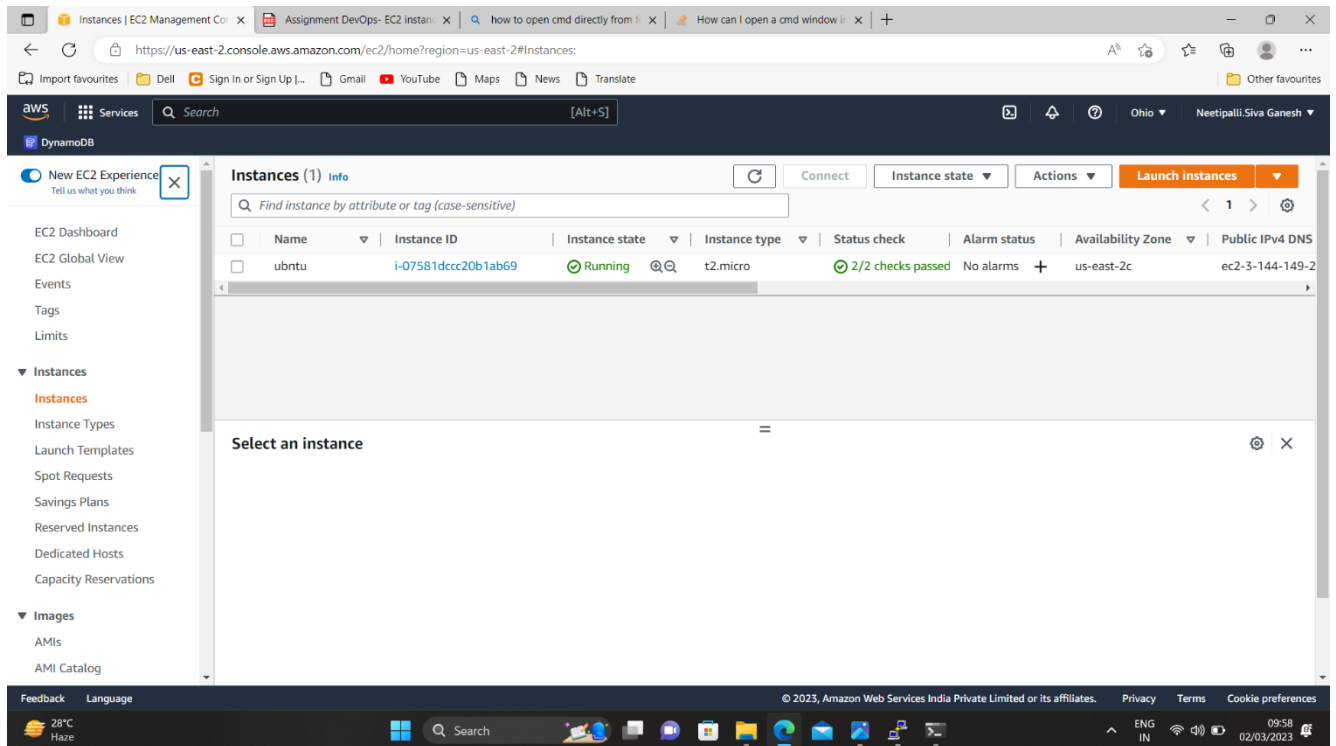
### Step3:- Create Key pair and download .pem file



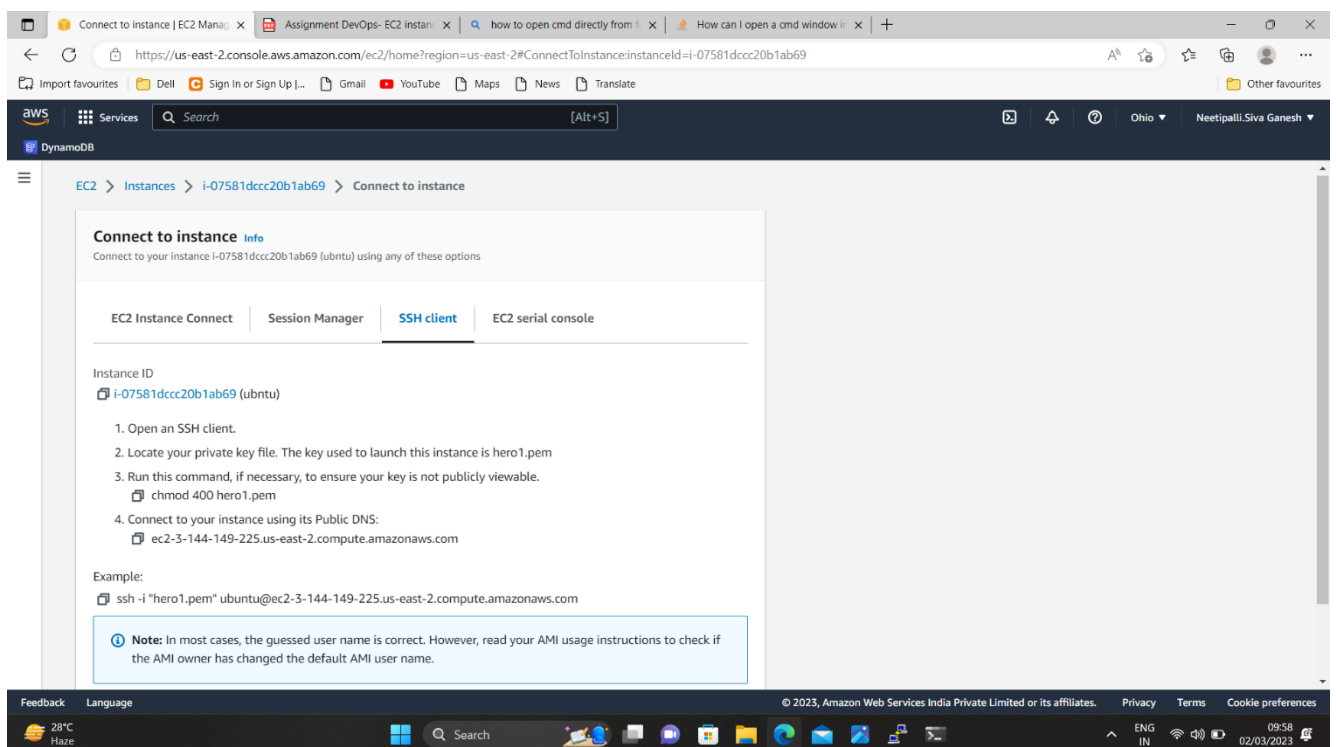
### Step\_4:-use default vpc and enable public access



## Step\_5:- output after launching instance



## Step\_6:-After clicking on connect go to ssh Client and copy the ssh command



Step\_7:-- Change directory to location of .pem file and paste the command which we have copied from the above Step.

\*Now go to root by using command `$ sudo su`

\*change directory to root `$ cd /`

\*install node js `$apt install nodejs`

```
root@ip-172-31-37-250: /  
  
https://ubuntu.com/aws/pro  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
Last login: Thu Mar  2 01:57:23 2023 from 3.16.146.3  
ubuntu@ip-172-31-37-250:~$ node -v  
v12.22.9  
ubuntu@ip-172-31-37-250:~$  
ubuntu@ip-172-31-37-250:~$ apt install nodejs  
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)  
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?  
ubuntu@ip-172-31-37-250:~$ sudo su  
root@ip-172-31-37-250:/home/ubuntu# cd /  
root@ip-172-31-37-250:/# apt install nodejs  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
nodejs is already the newest version (12.22.9~dfsg-1ubuntu3).  
0 upgraded, 0 newly installed, 0 to remove and 36 not upgraded.  
root@ip-172-31-37-250:/#
```

Step\_8:--To check Status `$ node -v`

```
System information as of Thu Mar  2 04:24:35 UTC 2023  
  
System load:  0.0      Processes:      97  
Usage of /:   31.0% of 7.57GB  Users logged in: 0  
Memory usage: 28%      IPv4 address for eth0: 172.31.37.250  
Swap usage:   0%  
  
* Introducing Expanded Security Maintenance for Applications.  
Receive updates to over 25,000 software packages with your  
Ubuntu Pro subscription. Free for personal use.  
  
https://ubuntu.com/aws/pro  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
Last login: Thu Mar  2 01:57:23 2023 from 3.16.146.3  
ubuntu@ip-172-31-37-250:~$ node -v  
v12.22.9  
ubuntu@ip-172-31-37-250:~$
```