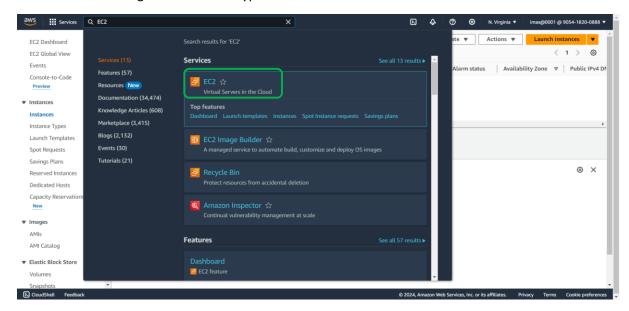
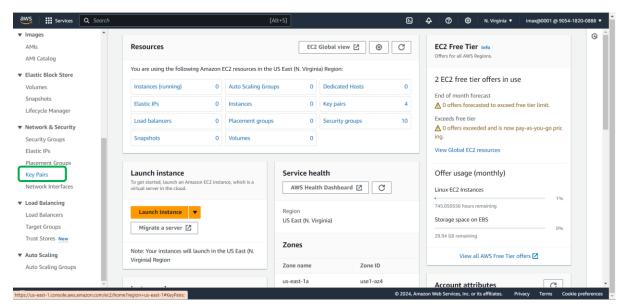
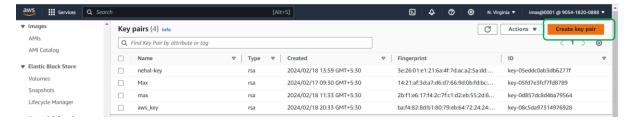
1. In the Management Console type EC2 in the search box and select EC2



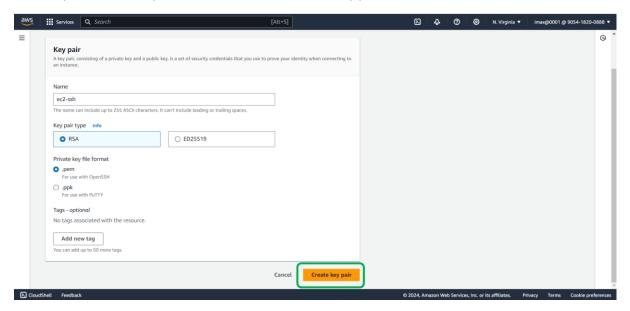
2. In the EC2 dashboard on the left side come down to Network and Security, We are going to select Key Pair



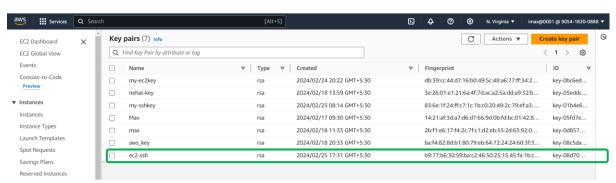
3. Then Select Create key pair



4. Give our Key pair Name(my-ec2key), Key type is RSA and under Private key format make sure you select the .pem, after that click on create Key pair



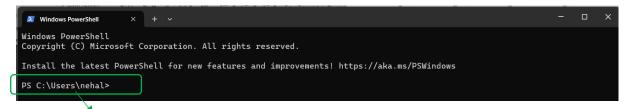
5. We successfully create key pair



Any time we create key pair two keys will be generated; the key we are seeing in the management Console this is called the public key.

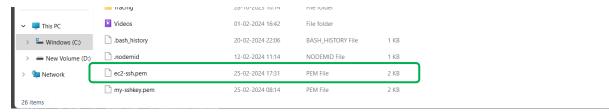
And this is the key we upload to our EC2 instance when launch it the key that is downloaded to My Computer this is private key and this is the key we need to be able to ssh into our EC2 instance(That is 1<sup>st</sup> thing we need to create a key pair and the format of the keypair needs to be pem

6. Open PowerShell on our computer> Click the start menu here then type PowerShell you are going to see the windows PowerShell icon Select it



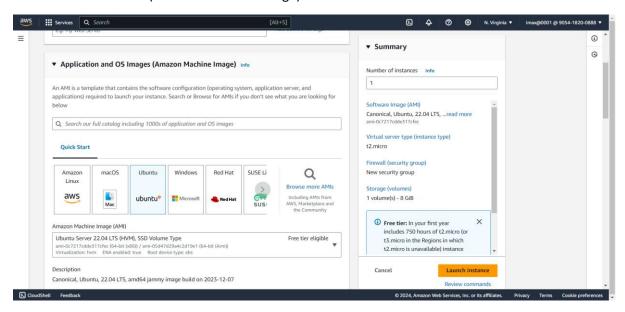
Here this is the current folder my PowerShell is in so this is saying my current folder is the admin folder in my computer if I go to the C driver there will be a users folder in C drive and in that users folder there will be an Admin folder(nehal)

7. Then the pem file we downloaded to our computer we have to put it in this admin folder

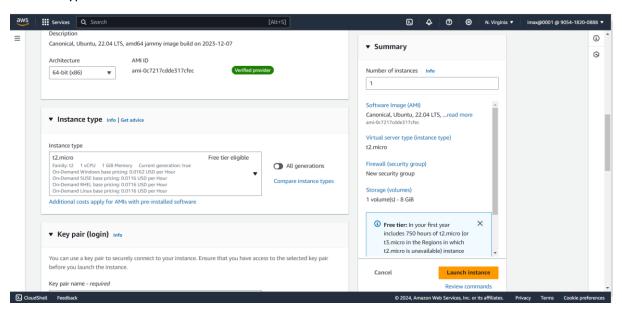


# Once it done that just close it

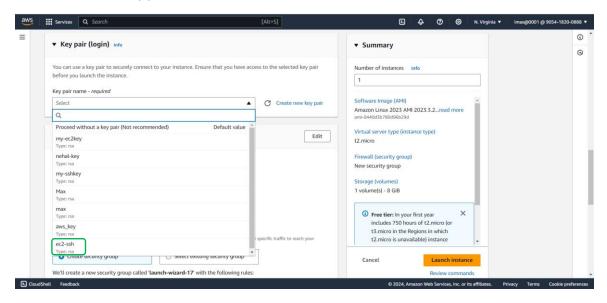
- 8. Now we need to do is launch our EC2 instance> going to dashboard >on EC2 dashboard I am going to launch a new instance, click Launch Instance
- 9. Select Ubuntu (Amazon Machine Image)



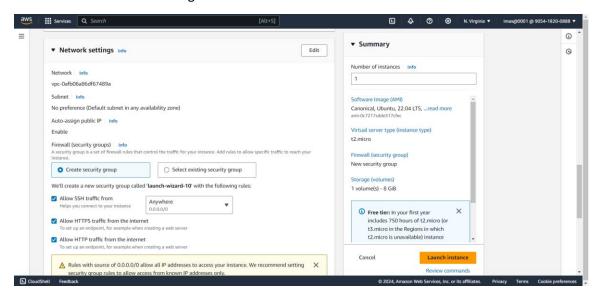
#### Instance type is t2. micro



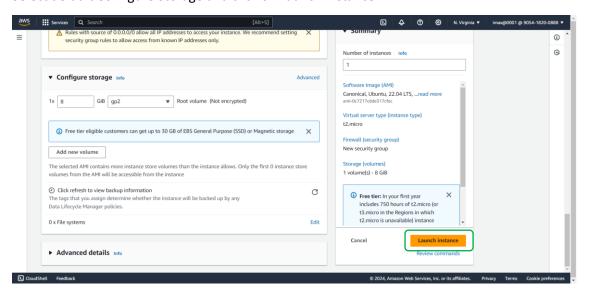
# Select we created key pair



#### Select default Network Settings



# Select default Configure Storage and click on Launch instance



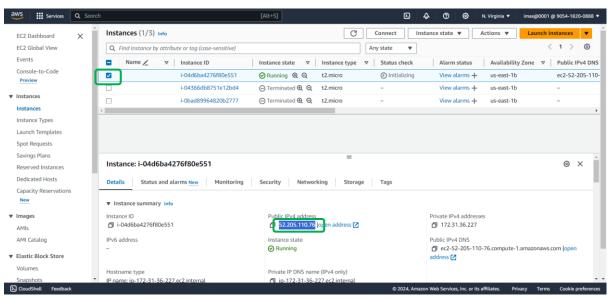
# Successfully launce the instance



#### Then View all instance



Once the state has changed to running then click on instance checkbox and copy the public Ip



10. we are going to open PowerShell (Once we open the windows PowerShell remember that the current directory, we are in needs to be the same directory where we put the pem file in my case I put my pem file in the admin(nehal) directory and that is the current directory I am in)

#### So to SSH into my EC2 instance type "ssh -i ec2-ssh.pem ubuntu@52.205.110.76" press enter

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\nehal> ssh -i ec2-ssh.pem ubuntu@52.205.110.76
The authenticity of host '52.205.110.76 (52.205.110.76)' can't be established.
E025519 key Tiengerprint is SHAM25clungSomp@bxu/dovsaped-ecz/Dw3215+6HolDM2104jc.
The you saw rey und to continue connecting (yes/no/[fingerprint])? yes
Warning: Perwanently added '52.205.110.76' (E025510) to the list of known hosts.

Welcome to Ubuntu 22.04.3 LTS (GMU/Linux 6.2.0-1017-aws x86_64)

* Documentation: https://help.ubuntu.com
* Wannagement: https://landscape.canonical.com
* Support: https://landscape.canonical.com
* Support: https://dubuntu.com/advantage

System load: 0.2861320125 Processes: 180
Usage of /: 20.6% of 7.5768 Users logged in: 0
Memony usage: 21%

Expanded Security Maintenance for Applications is not enabled.

8 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.

The programs included with the Ubuntu system are free software; the exact distribution terms for each program are described in the individual files in /usir/share/doc/*copyright.
```

```
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

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-36-227:~$
```

# 11. Generating key type "ssh-keygen" ;generating on that particular this location

The programs included with the Ubuntu system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/\*/copyright.

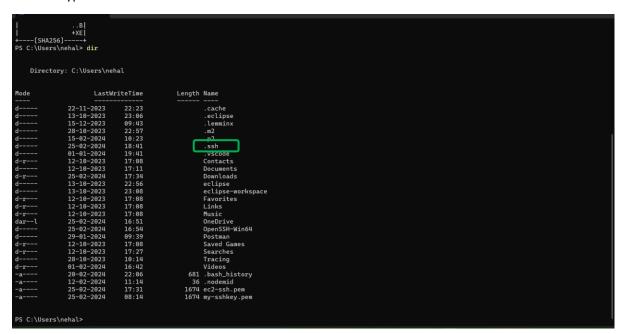
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

To run a command as administrator (user "root"), use "sudo <command>". See "man sudo\_root" for details.

ubuntu@ip-172-31-36-227:~\$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ubuntu/.ssh/id\_rsa):

After that press 3 times enter; Now the keys are generated

12. Type "dir": we will see the hidden folder called .ssh



13. Type "dir .ssh": we can see file 'id\_ed25519' and 'id\_ed25519.pub'

Once these files are generated this file, we can copy the contents of this files into something called authentication on remote server it will take care of setting up the password as login between the windows machine and remote server

