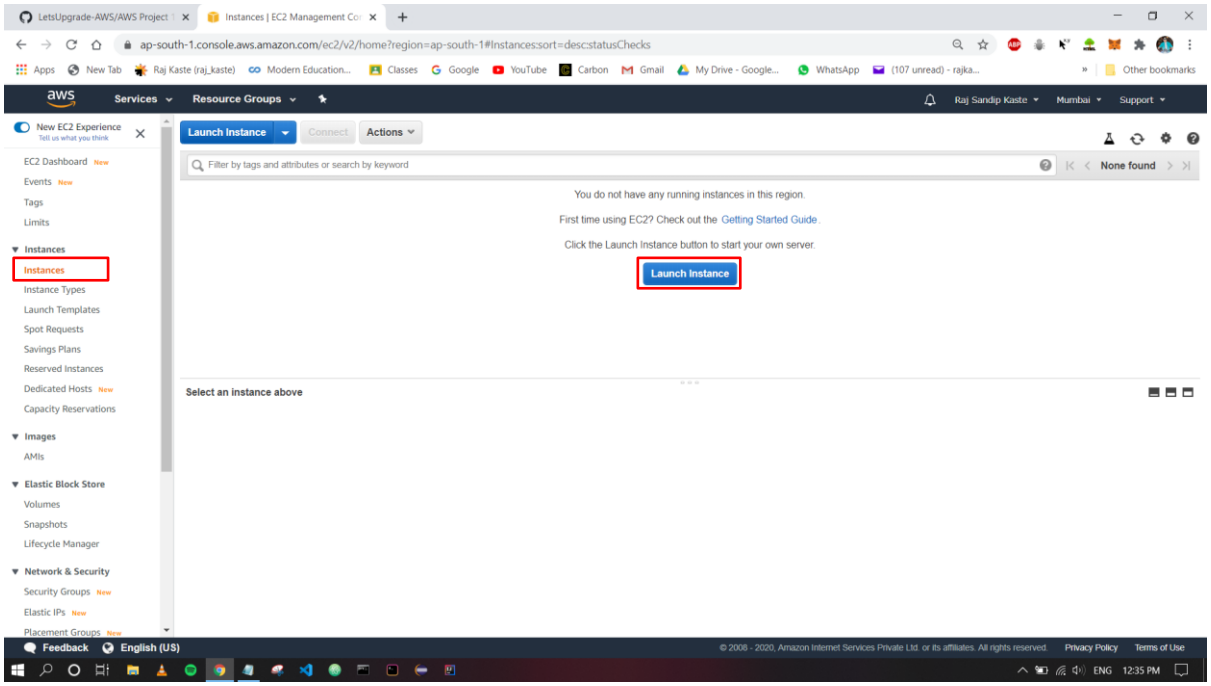
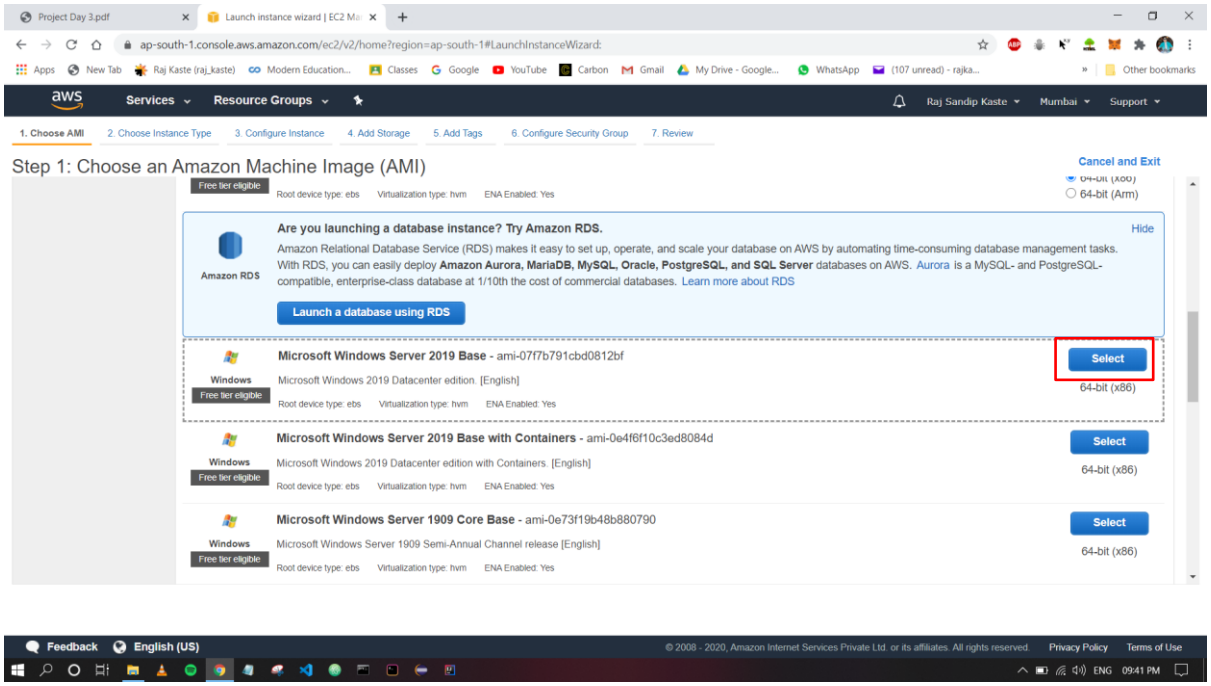
Project 1:

Deploying a Web Server in Windows Instance:

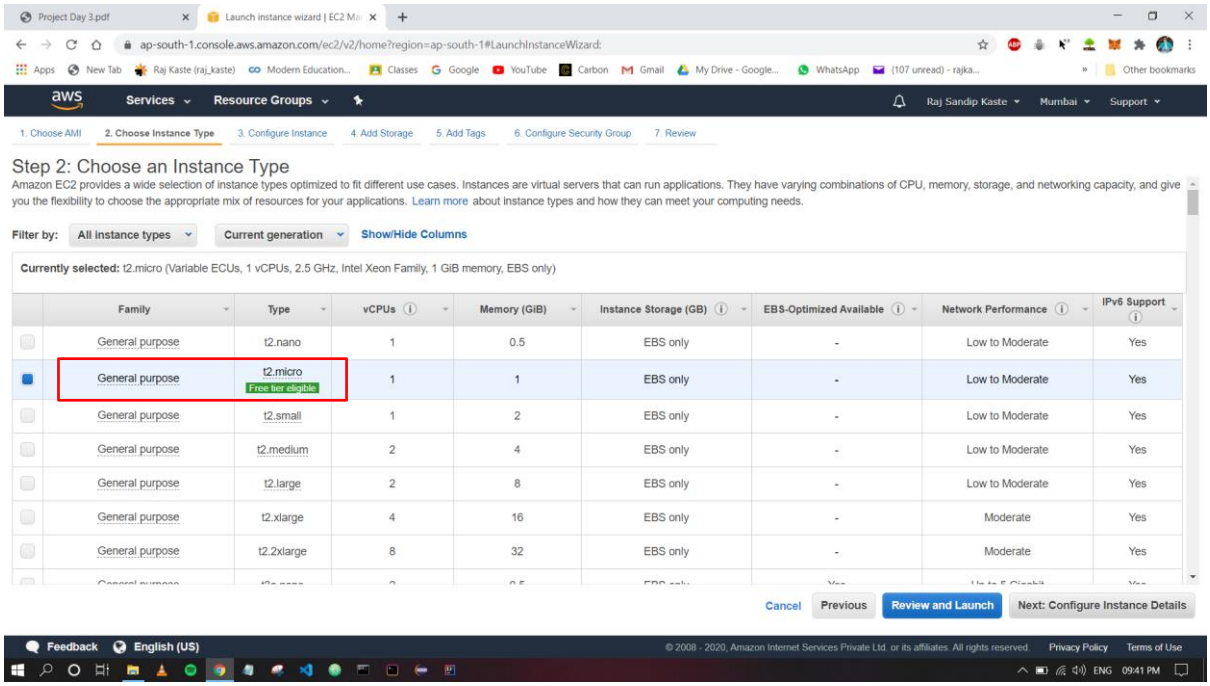
Step 1: Login to your AWS Console -> Go to Services -> Select EC2 -> In EC2 Dashboard select Instances -> Click on Launch Instance.



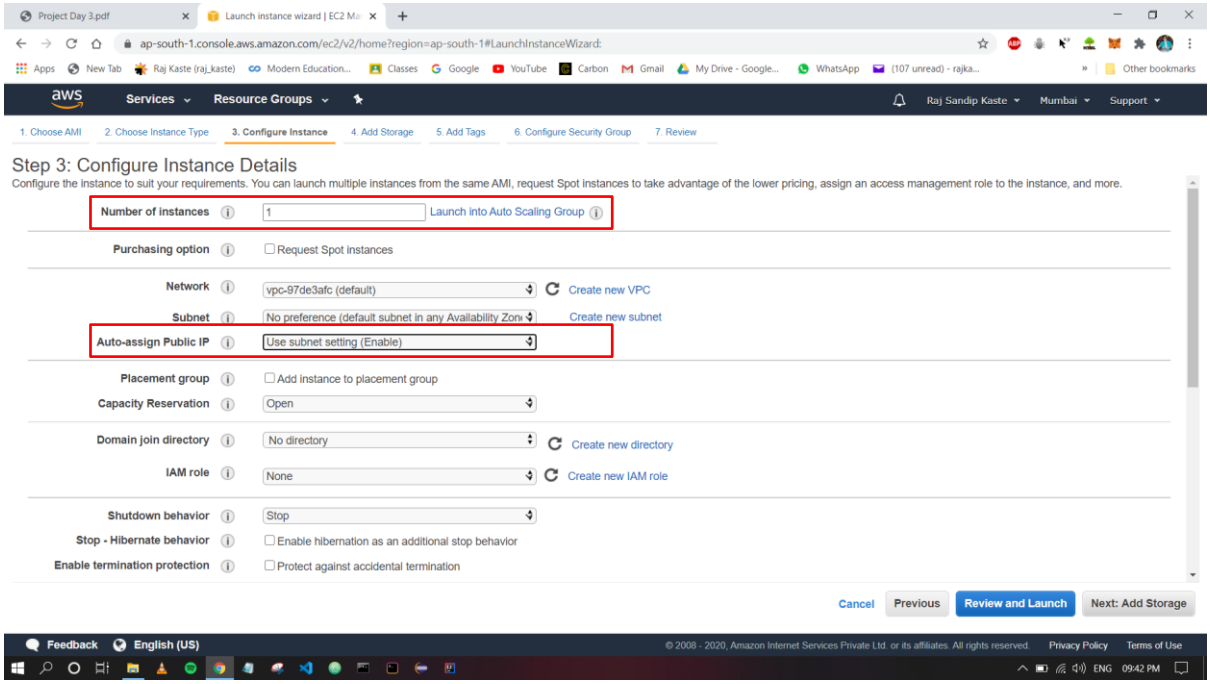
Step 2: Starting with EC2 (Elastic Compute Cloud) and launching a new instance Choose an AMI -> MS Windows Server 2019 Base OS under Free Tier Section.



Step 3: Choose an Instance type which should be free tier eligible -> Select t2 micro and then click, Next: Configure Instance Details.

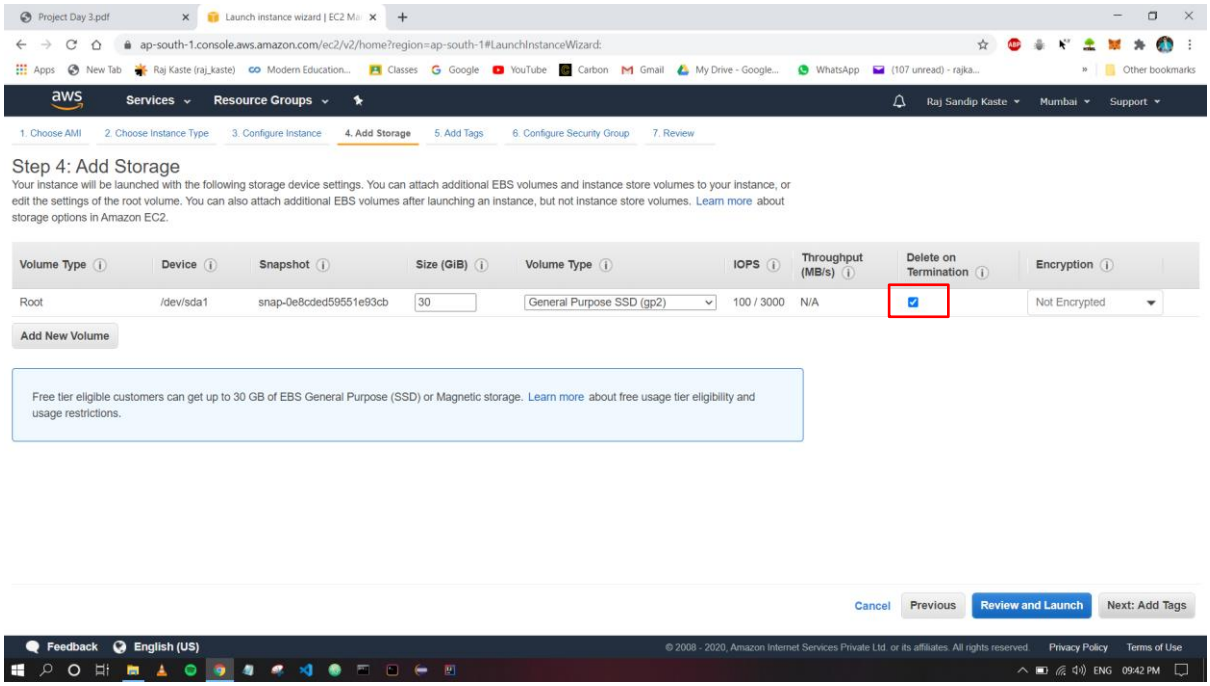


Step 4: Configure Instance Details -> No. of instance = 1,
Auto-assign Public IP = Enable -> Click Next: Add Storage.

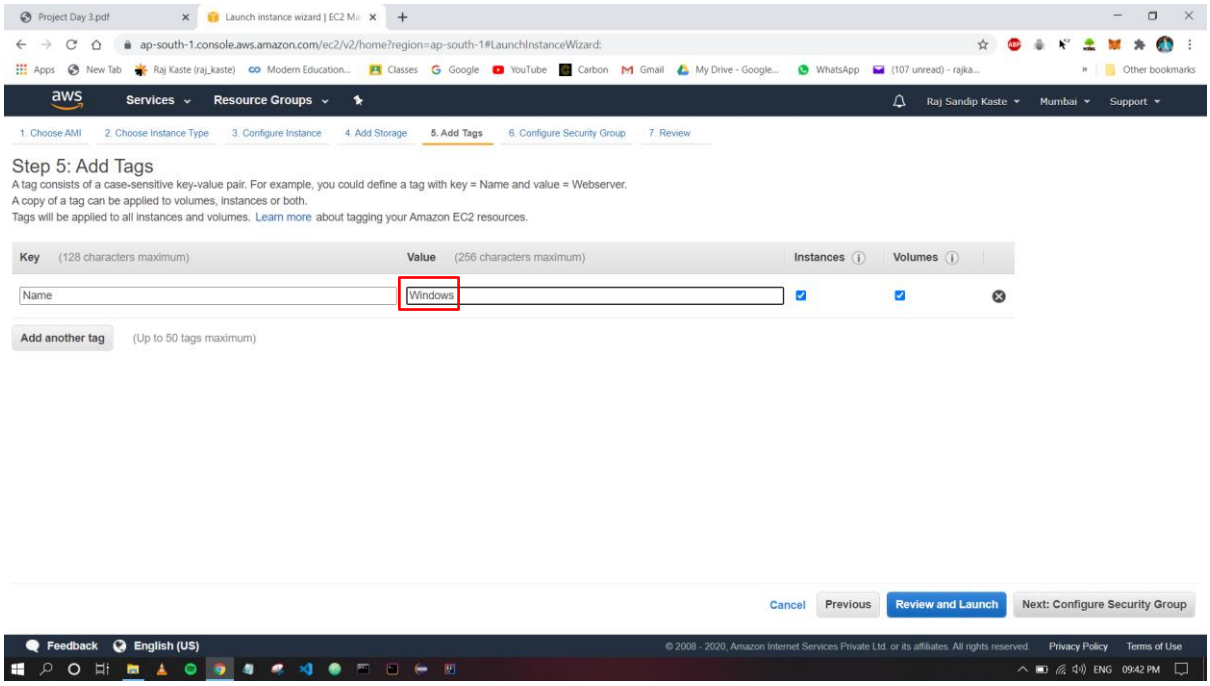


Step 5: Let everything be default in Add Storage.

Delete on Termination must be selected. -> Click Next: Add Tags.

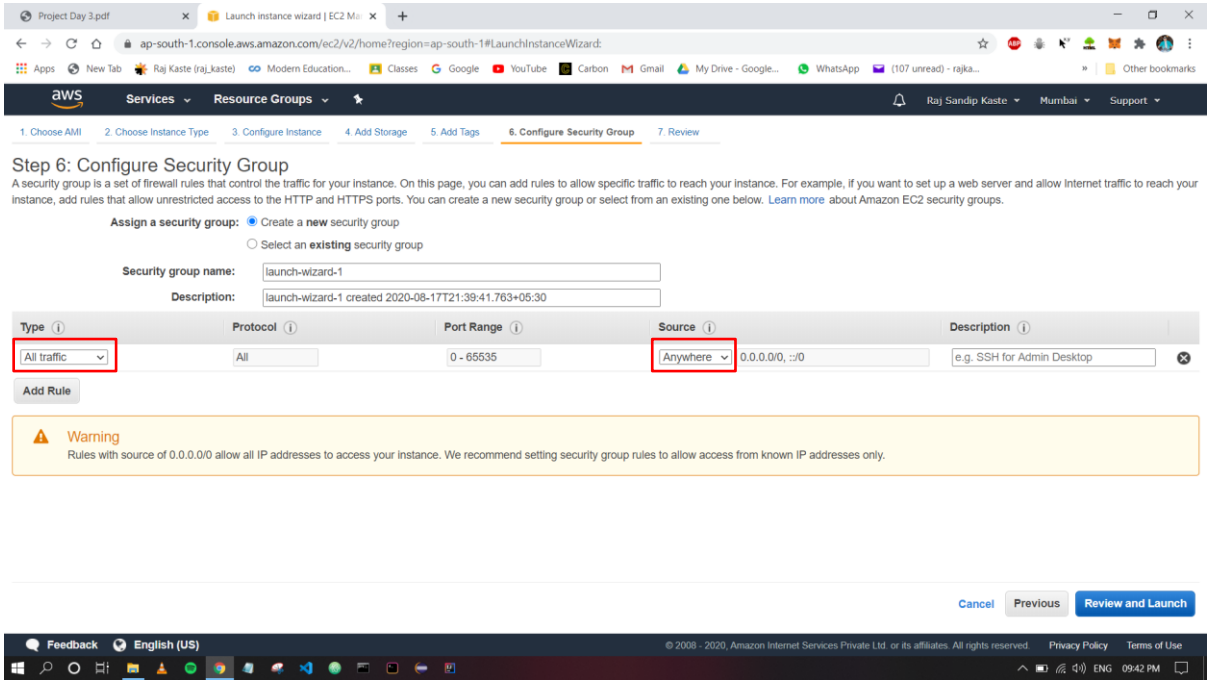


Step 6: Enter any name you want for your instance in Add Tags. -> Click Next: Configure Security Group.

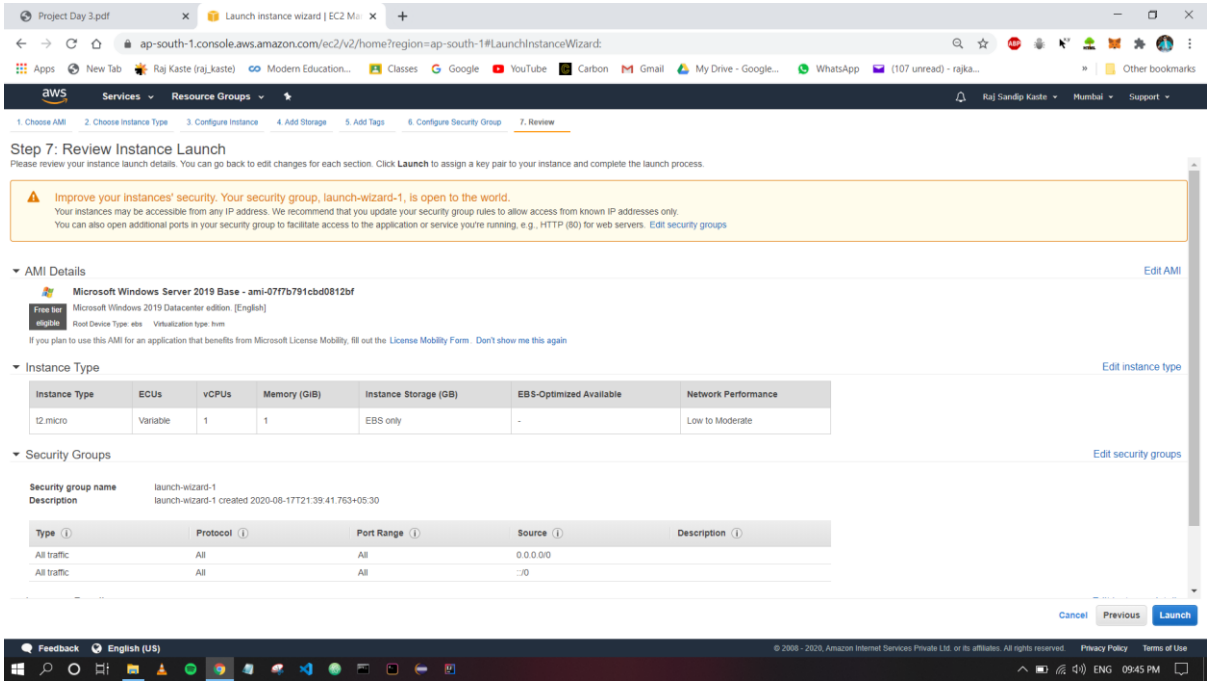


Step 7: In Configure Security Group -> Create a new security group ->

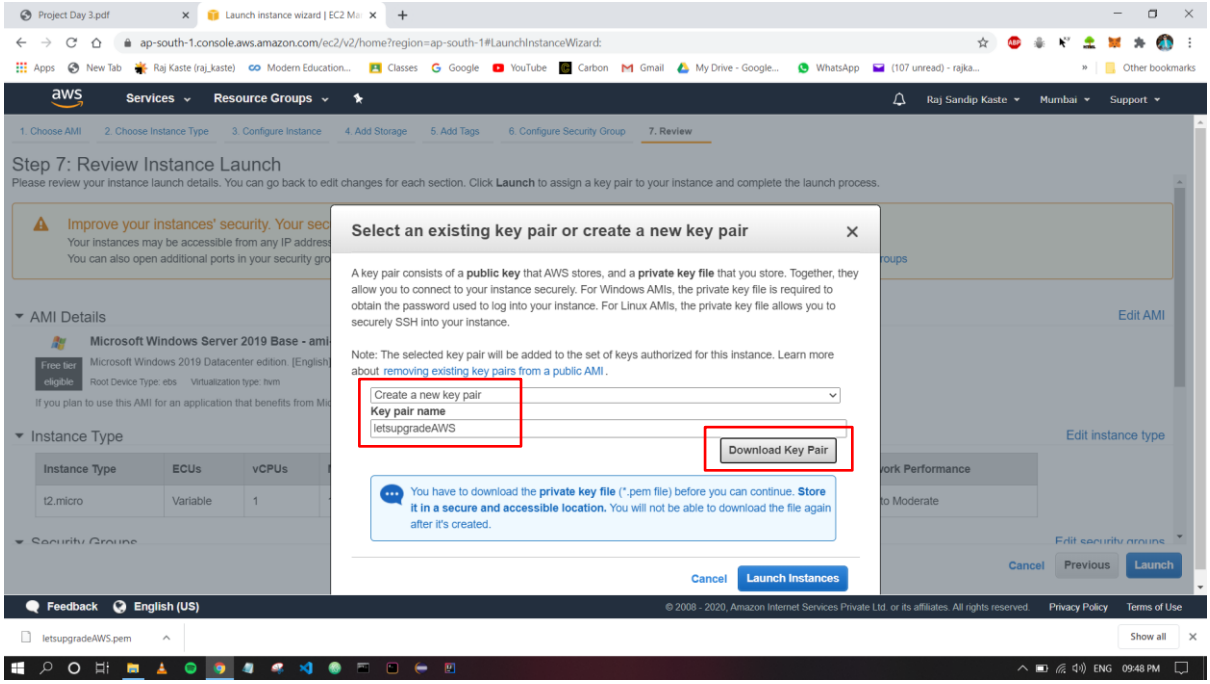
Select Type = All Traffic and Source = Anywhere. -> Click Next: Review and launch.



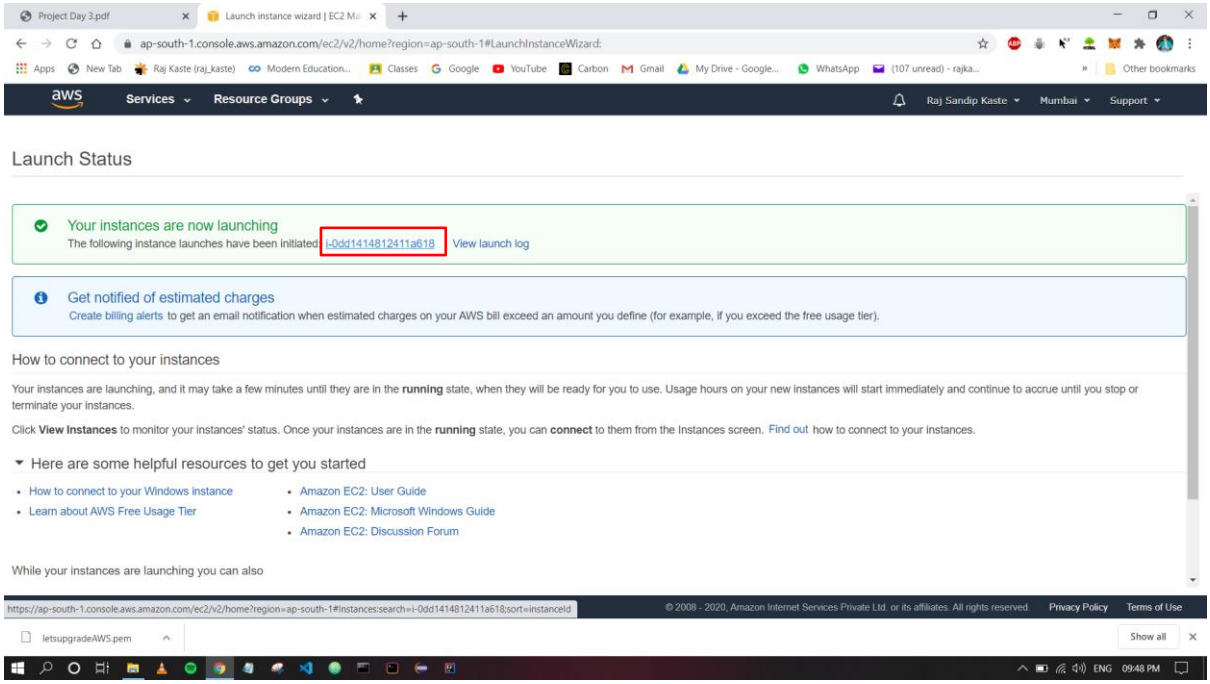
Step 8: Review all steps -> Click Launch.



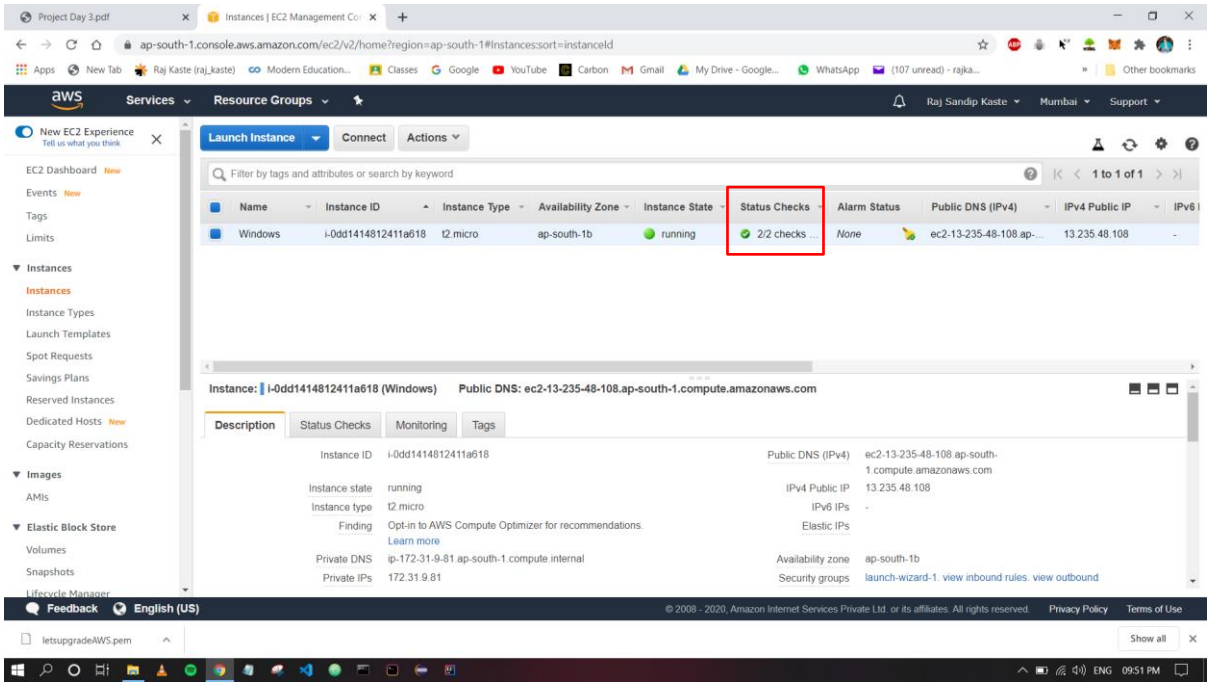
Step 9: After launching create a new key pair and give it a name for authenticity of instance -> Click on Download Key Pair. -> Click Launch Instance.



Step 10: Instance is created. -> Click on instance id which will redirect you to EC2 instances list.



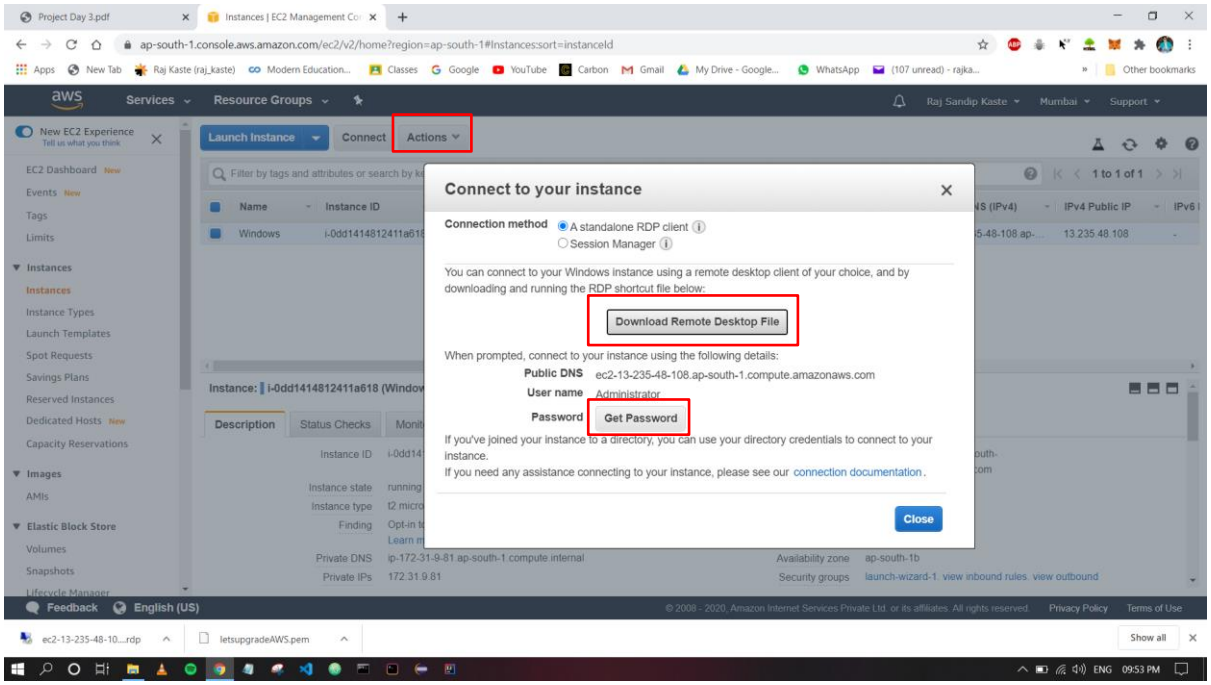
Step 11: Wait till the status checks are done.



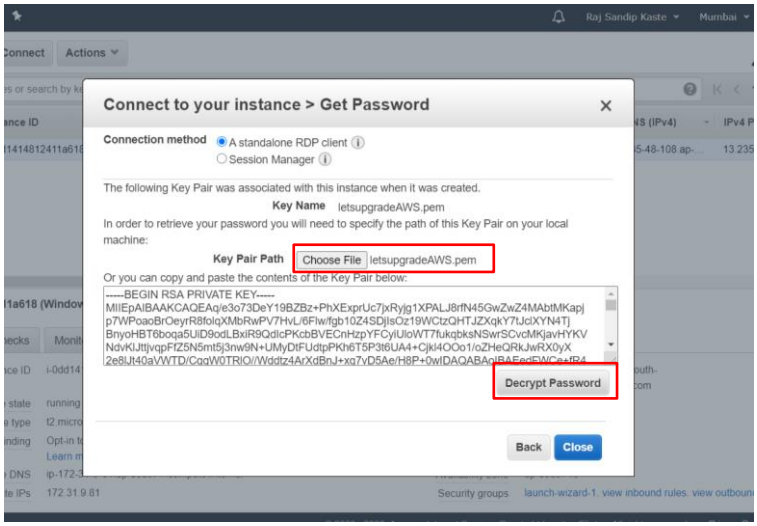
Step 12: After Status Check are done go to -> Actions -> Connect.

To connect and launch your web server.

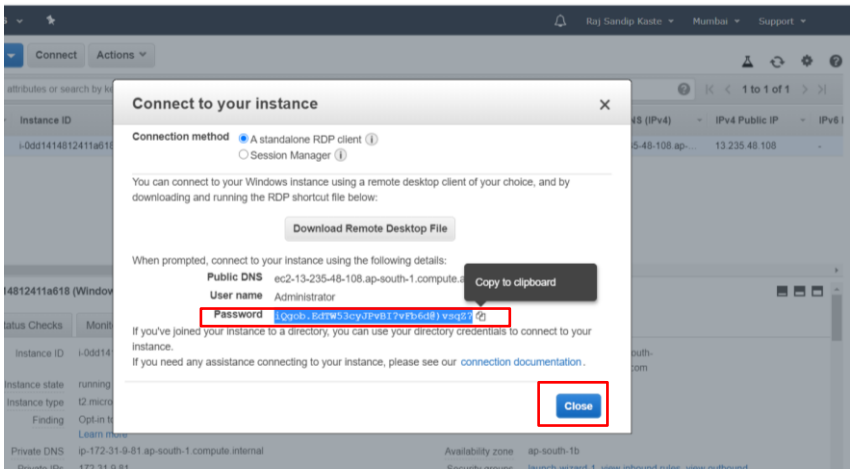
Step 13: Download Remote Desktop File -> Click on Get Password.



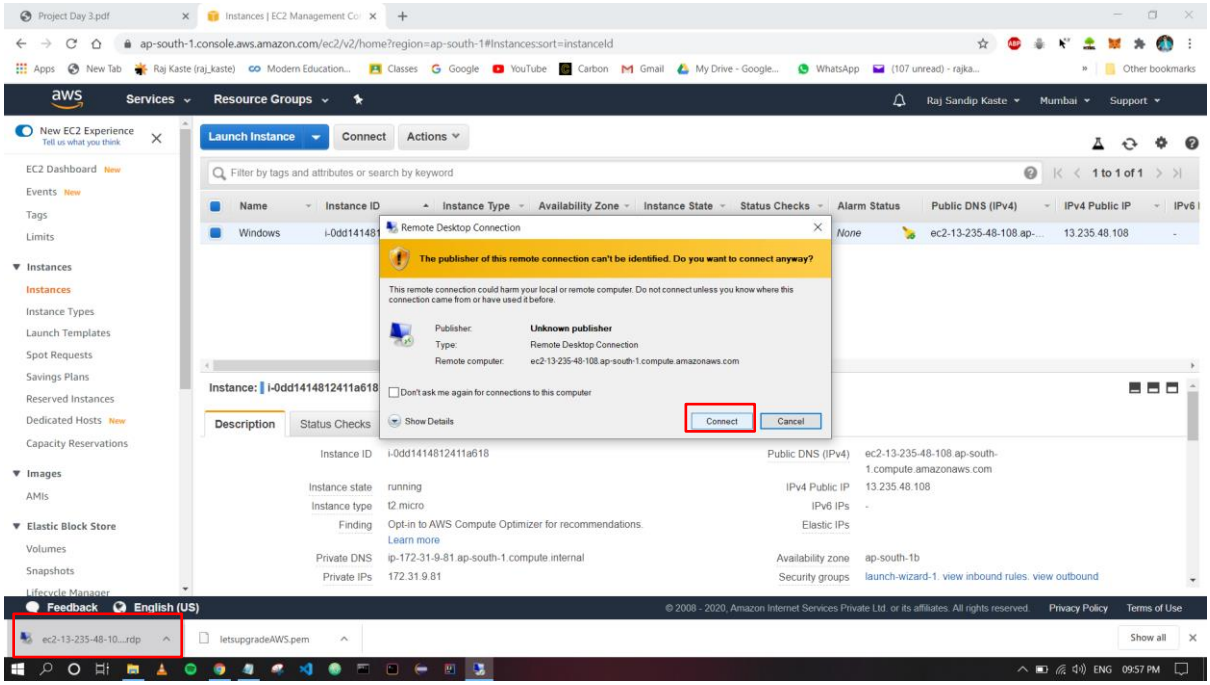
Step 14: Choose your .pem file which was downloaded in Step 9. -> Decrypt it.



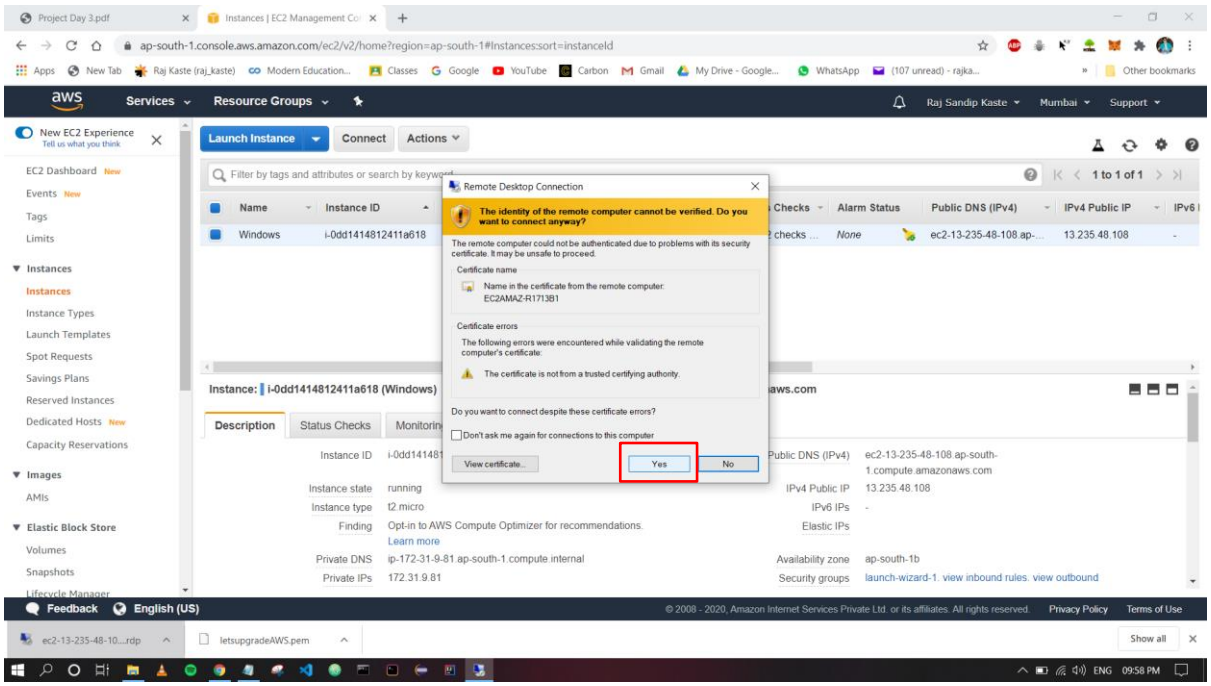
Step 15: Copy the Decrypted Password -> Close.



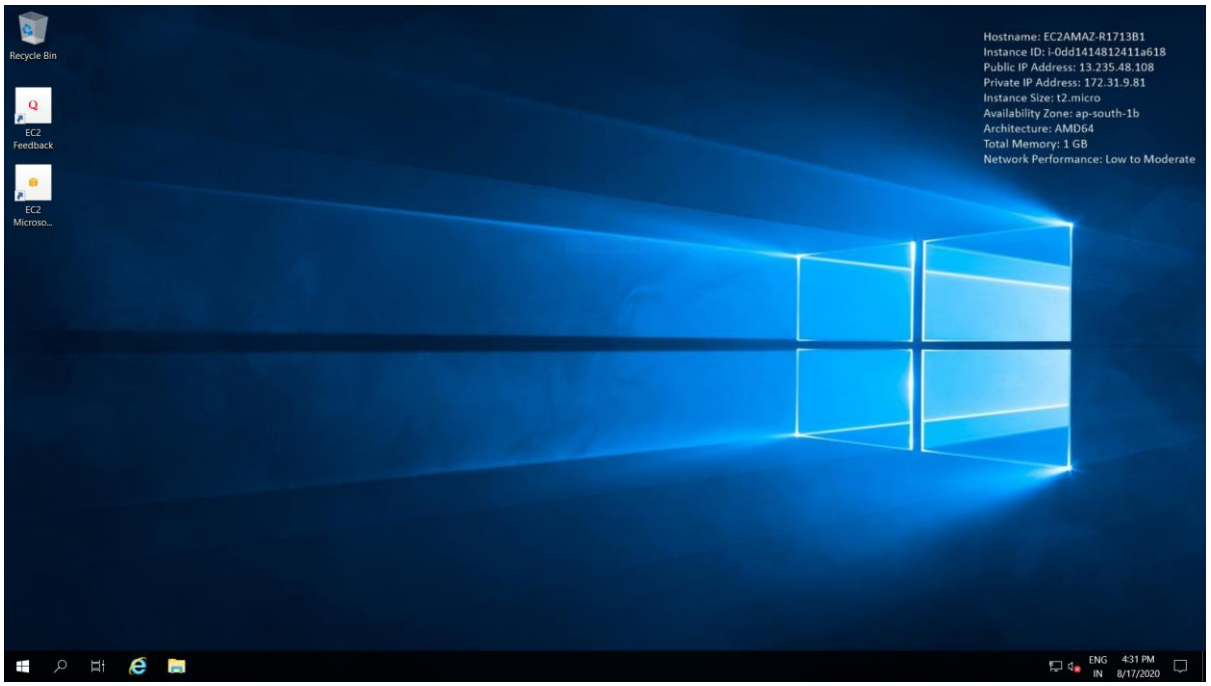
Step 16: Open .rdp file downloaded in Step 13 -> click Connect.



Step 17: While connecting a prompt will appear Enter your Decrypted Password copied in Step 15 -> click Yes.

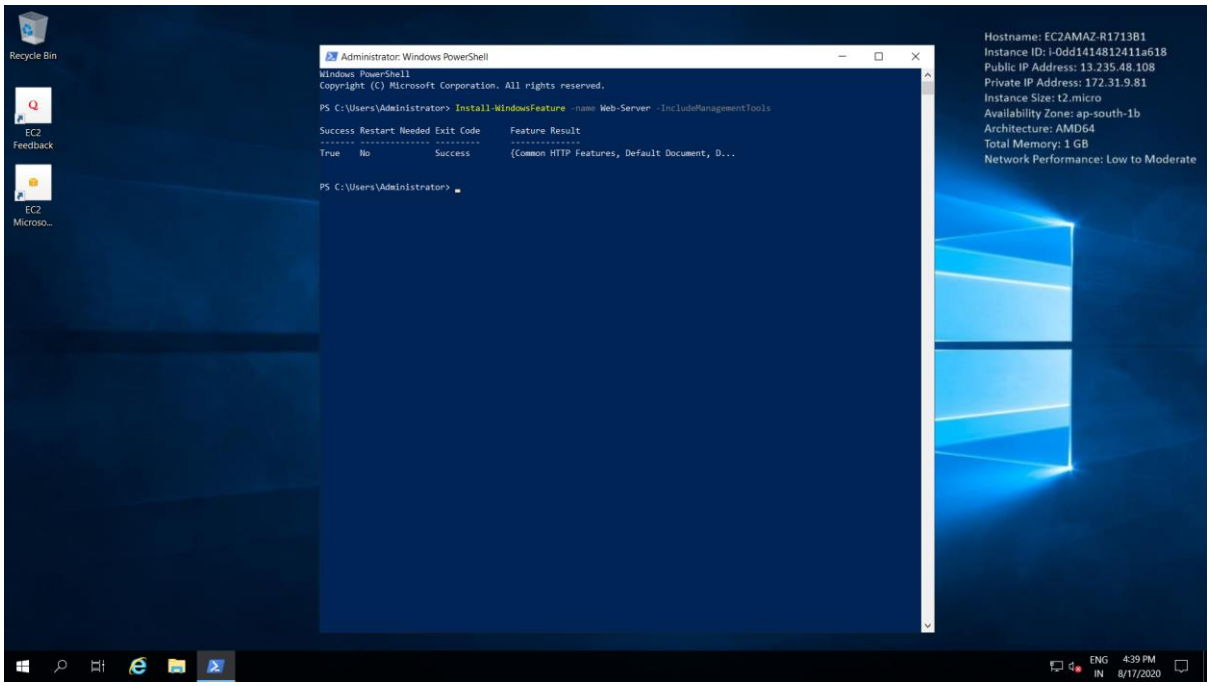


Step 18: Here's the instance launched with virtual private cloud (VPC)



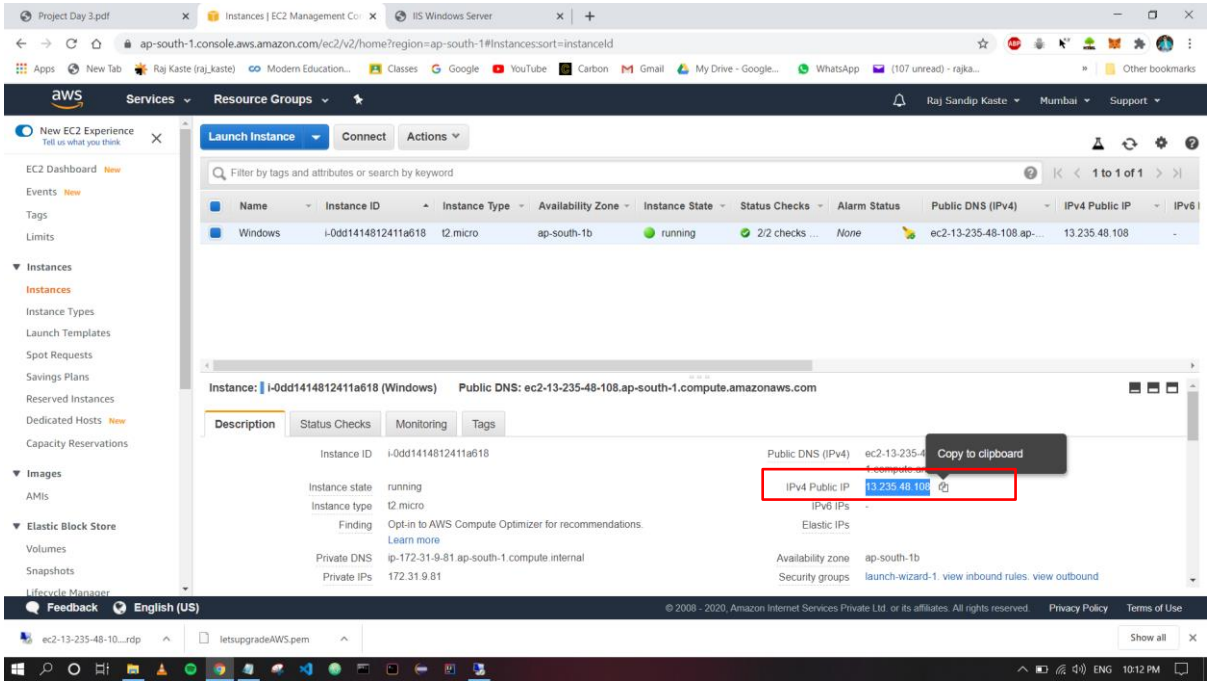
Step 19: Click on Windows button -> open Windows PowerShell and install the IIS Web Server using the command:

Install-WindowsFeature -name Web-Server -IncludeManagementTools



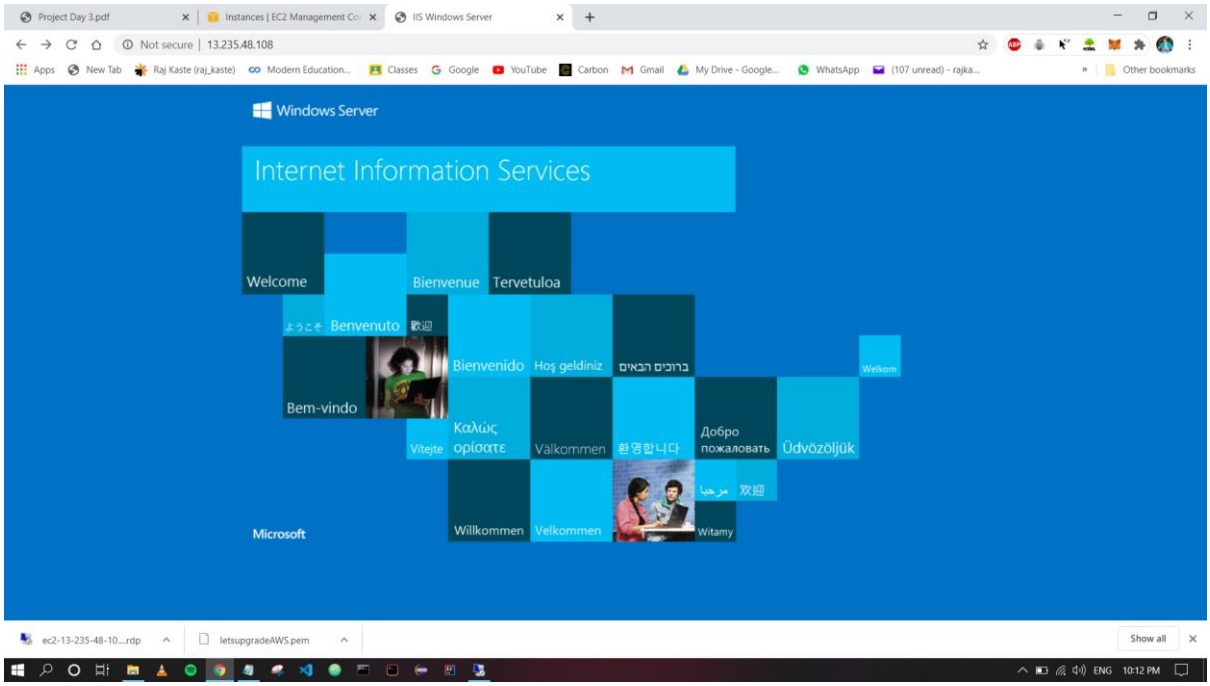
Step 20: After installation webserver will be deployed and can be viewed by public IP address available on the EC2 instances list. -> Copy the IP Address and paste and open it in the Browser.

Public IP address shown here: 13.235.48.108



Step 21: Webserver Deployed and Viewed.

With the Public IP address: 13.235.48.108



TASK DONE.

MAKE SURE THAT THE INSTANCES CREATED ARE TERMINATED AFTER THE USAGE TO AVOID UNNECESSARY CHARGES.