VPC's PEERING

IN DIFFERENT REGIONS

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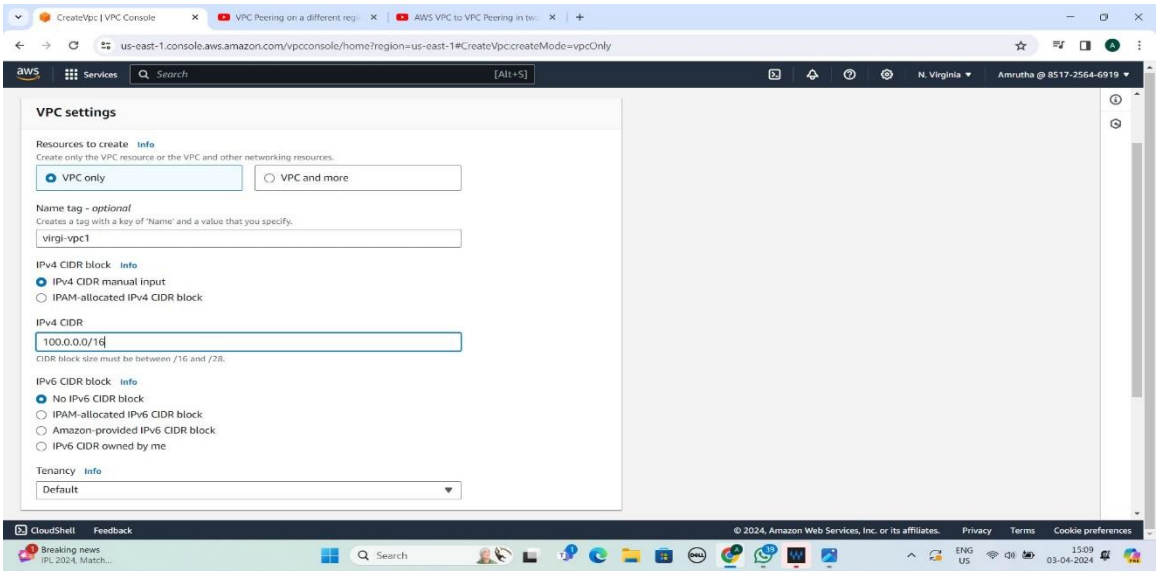
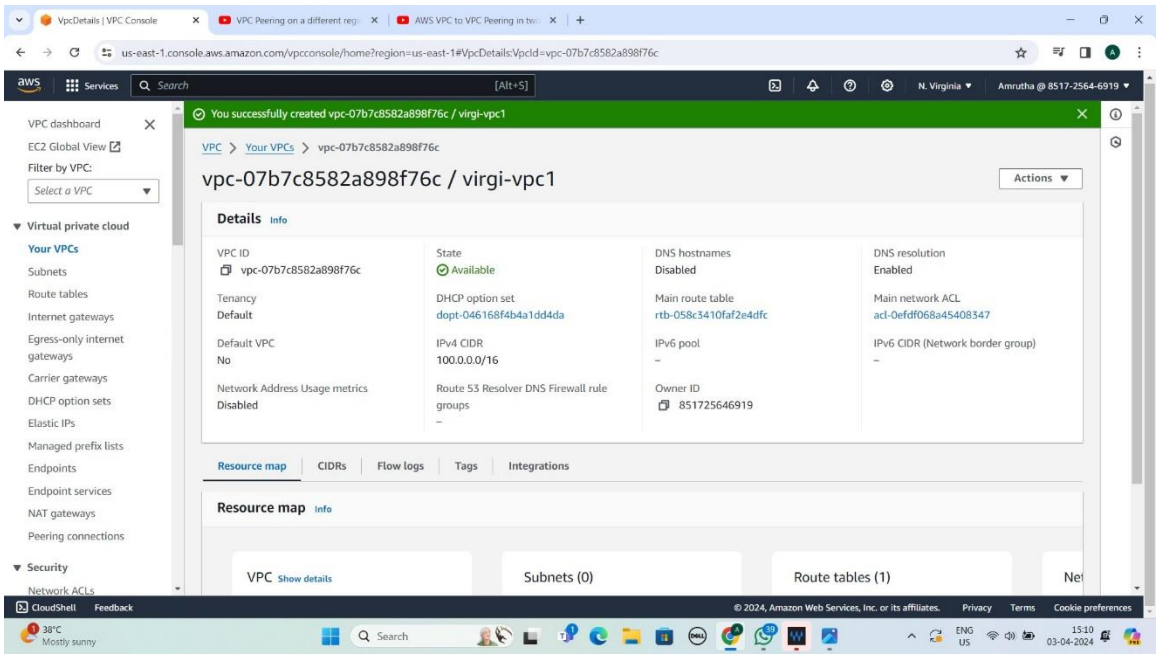
Date:04/03/2023

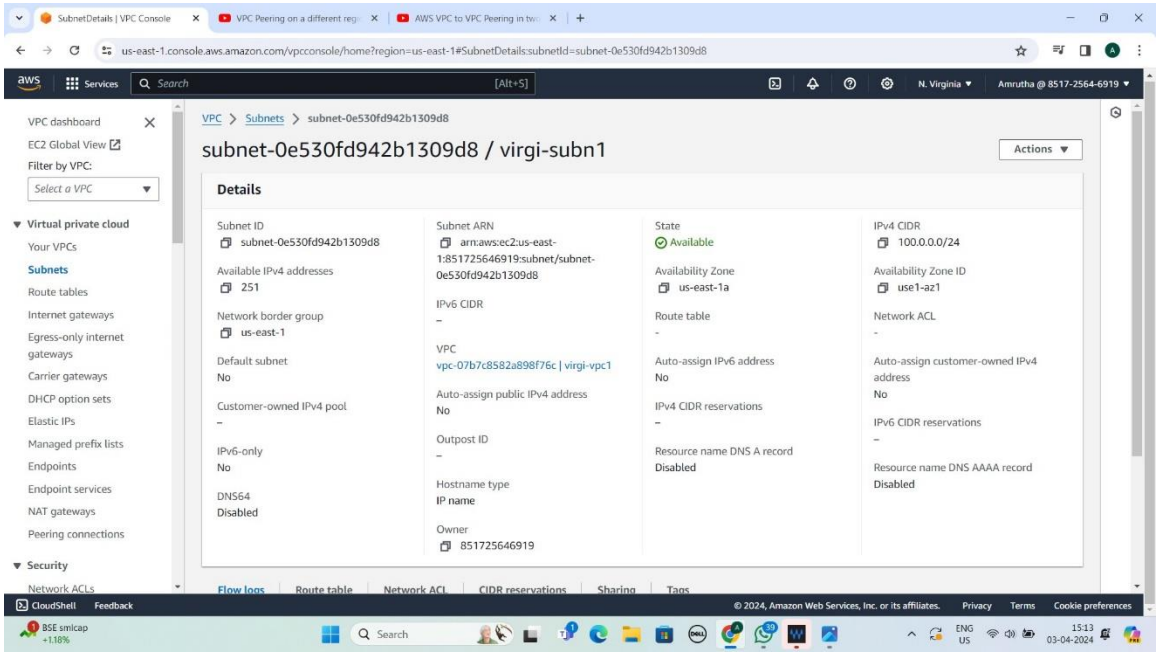
Creation of two VPC'S in different regions and connecting the two vpc's [peering]



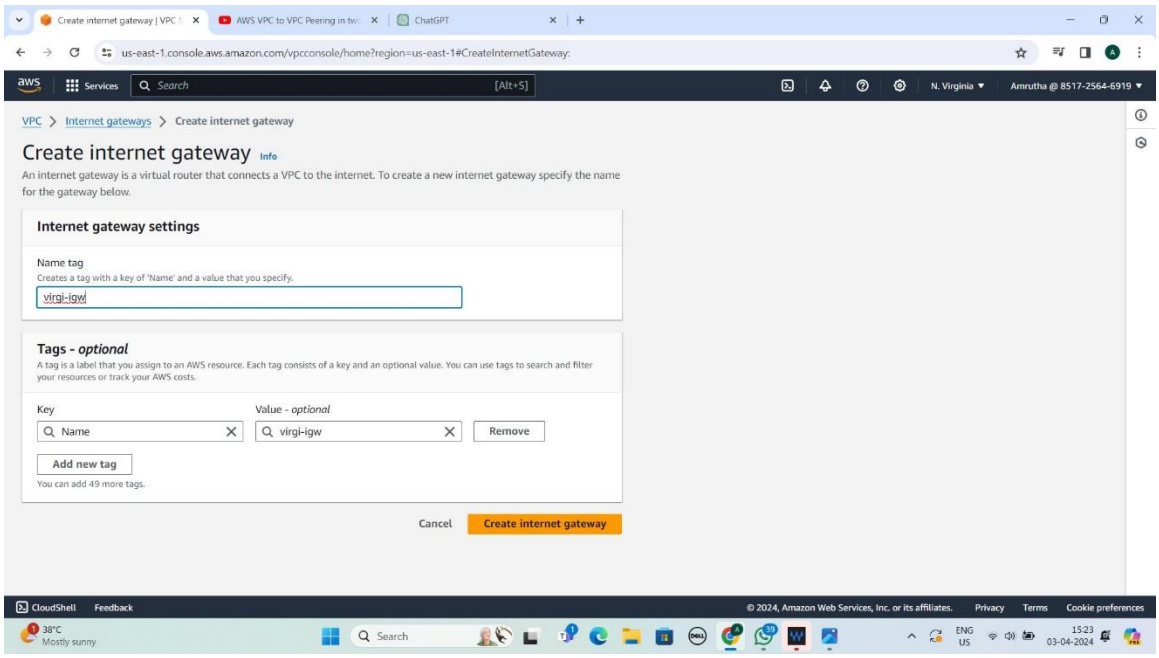
Step1: log into your aws management console and select desired region here we considered ‘N.Virginia’ as our first region then created ‘virgi-vpc1’ virtual private cloud with CIDR 100.0.0.0/16

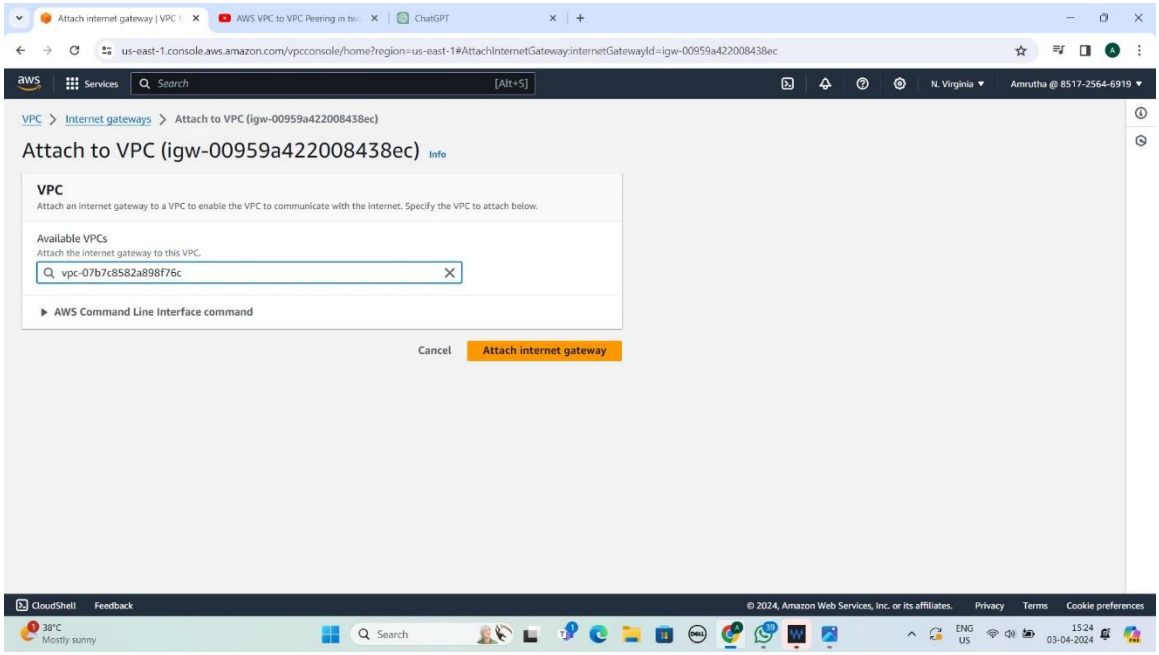


Step2: created ‘virgi-subn1’ subnet with CIDR 100.0.0.0/24 in the us-east-1a zone

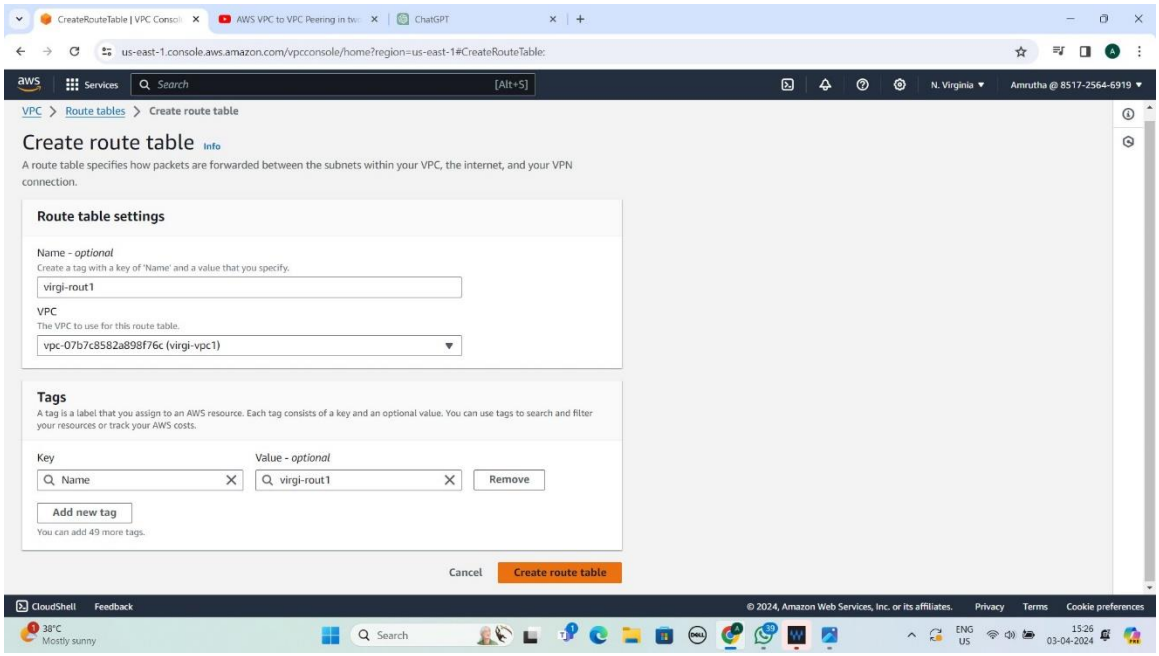


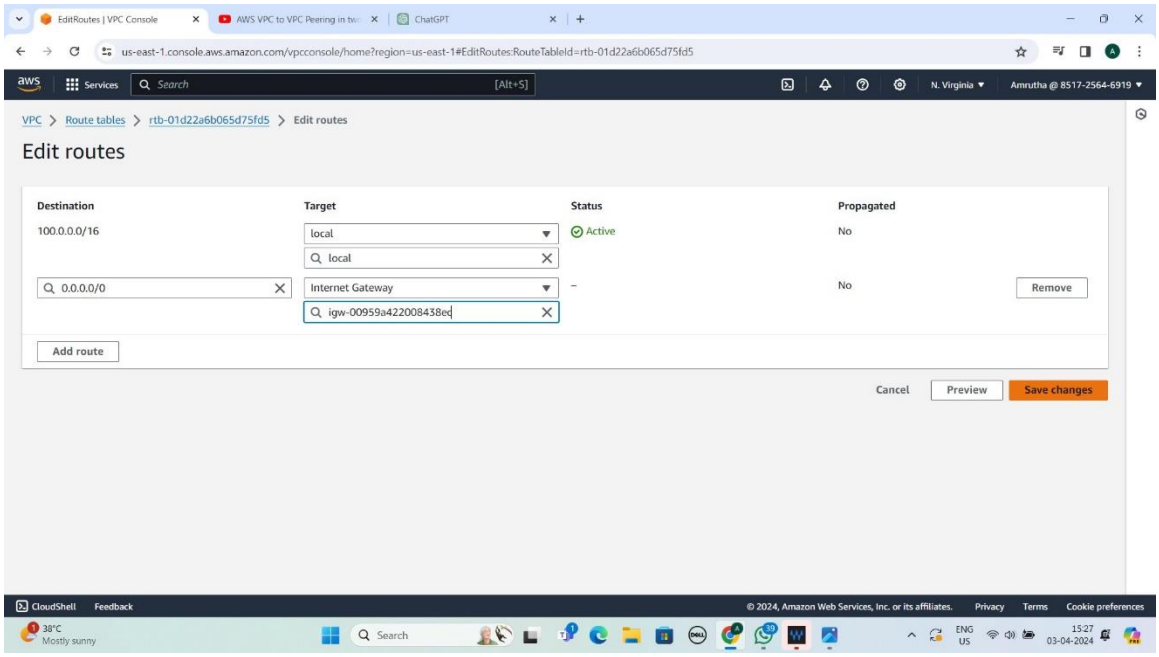
Step3: created ‘virgi-igw’ internet gateway and attach the internet gateway to vpc



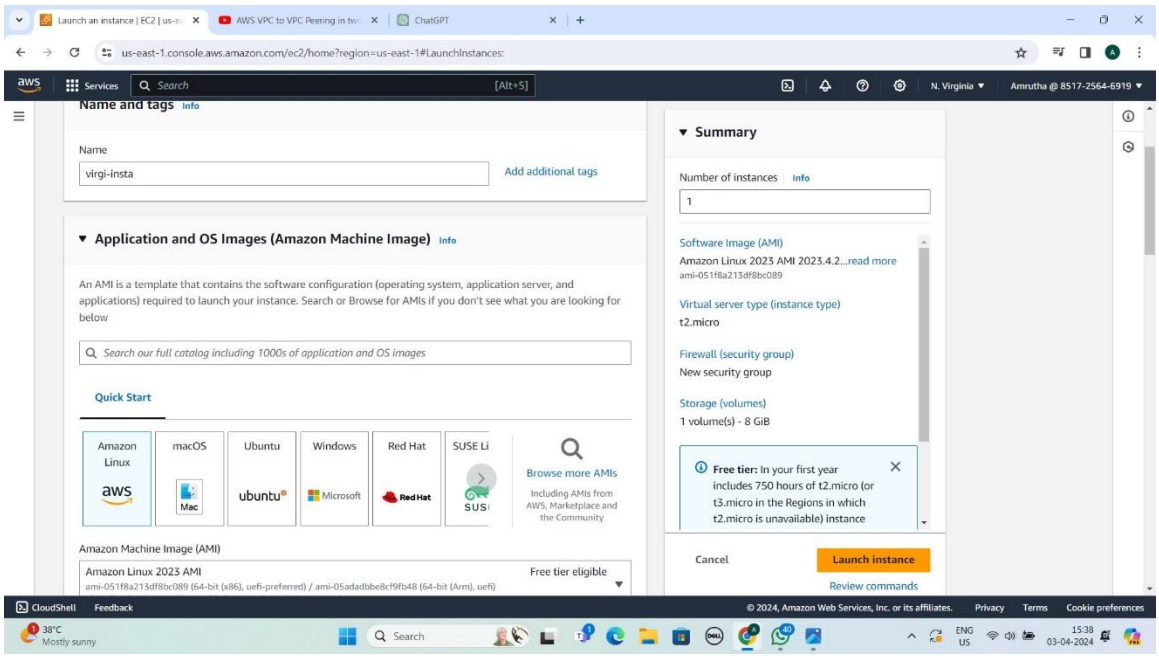


Step4: created ‘virgi-rout1’ route table and attached vpc and in the edit route section we attached the internet gateway we created earlier and associated the subnet

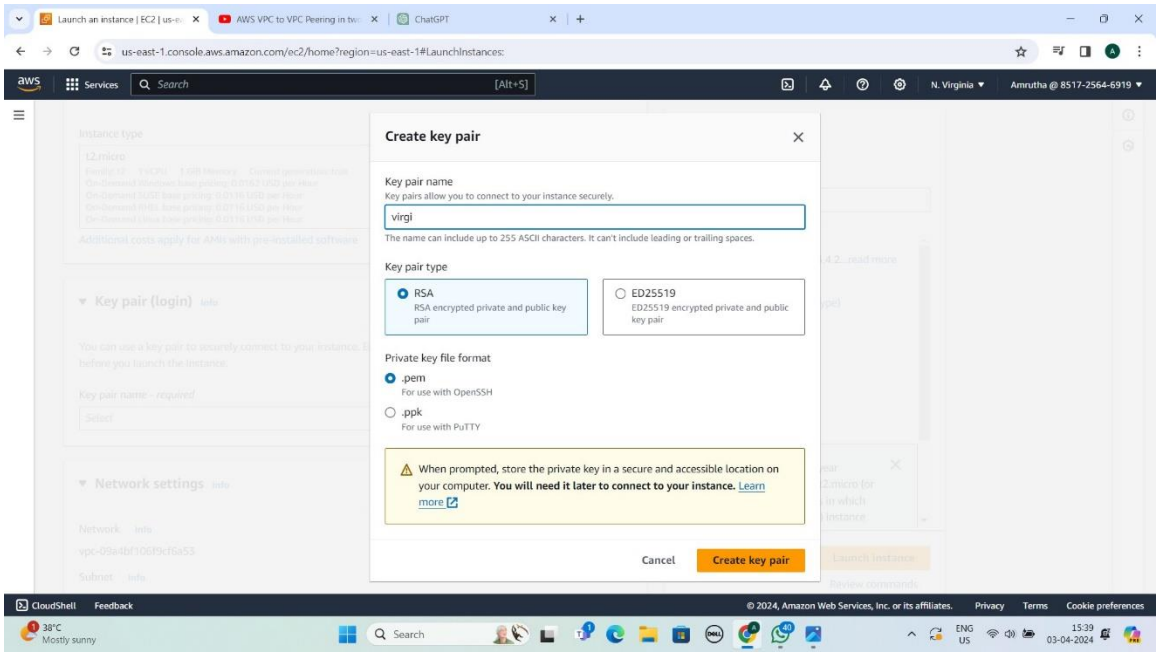




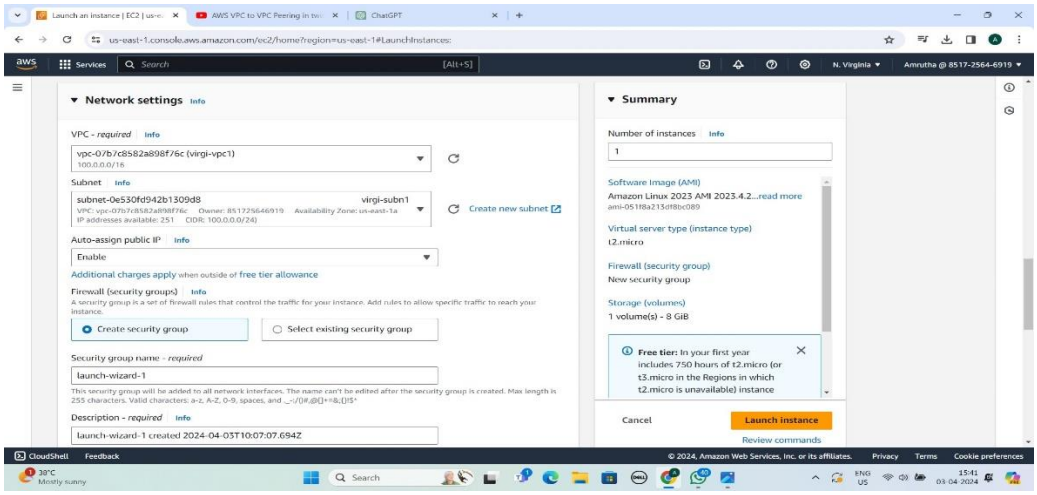
Step5: now create a EC2 instance here we created ‘virgi-insta’ using Amazon Linux

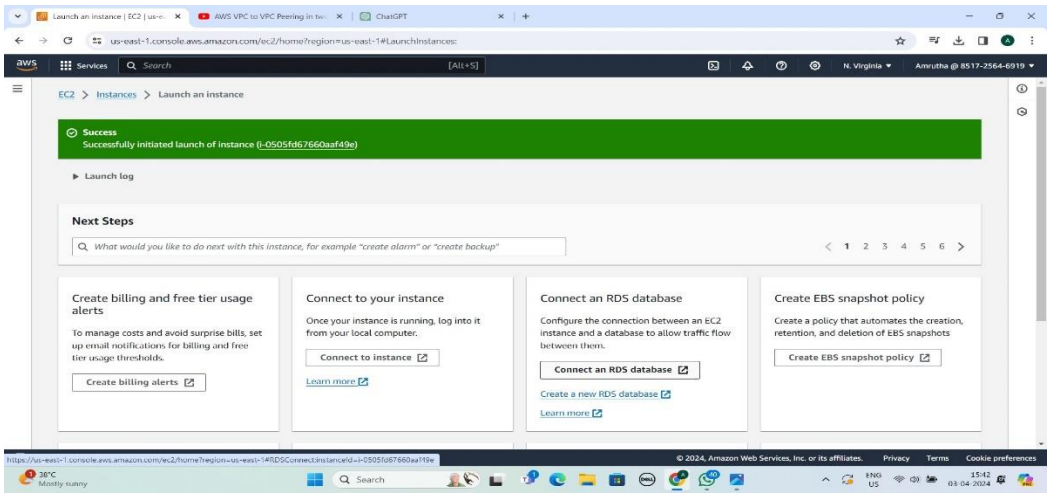


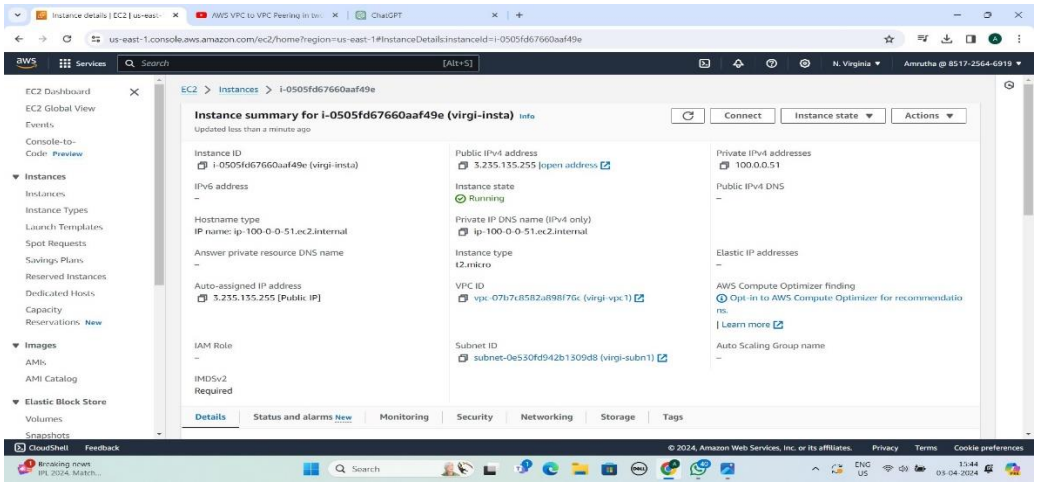
Step6: created ‘virgi’ keypair in .pem file formate



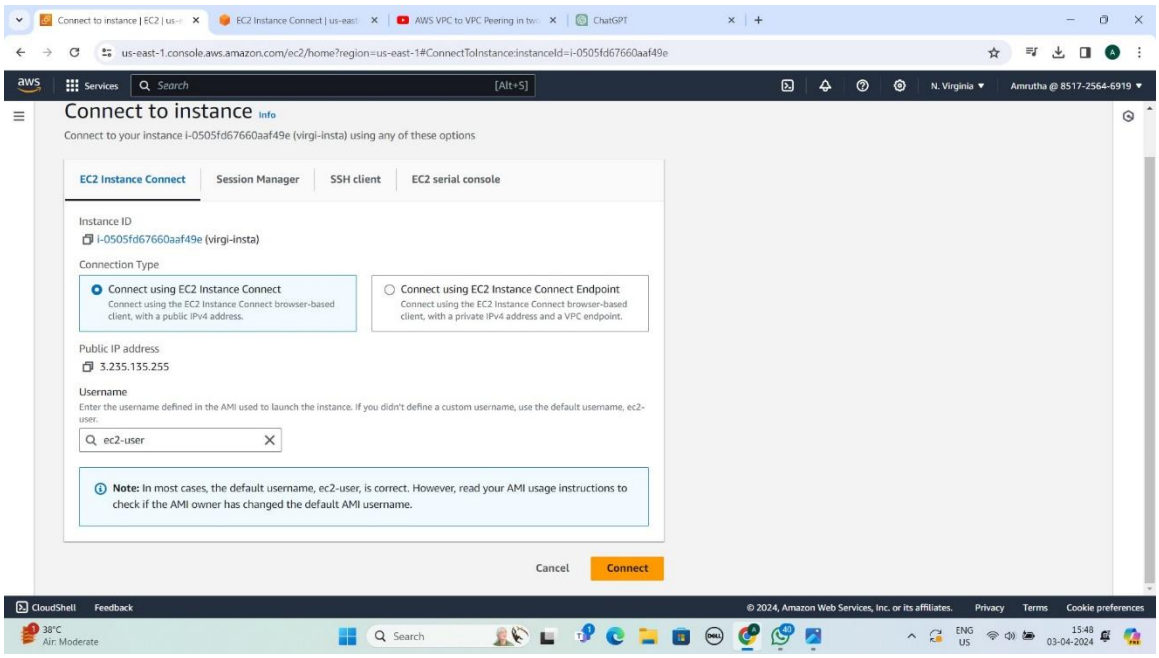
Step7:then edit network settings by selecting appropriate vpc and subnet then allow auto assign public ip then launch instance



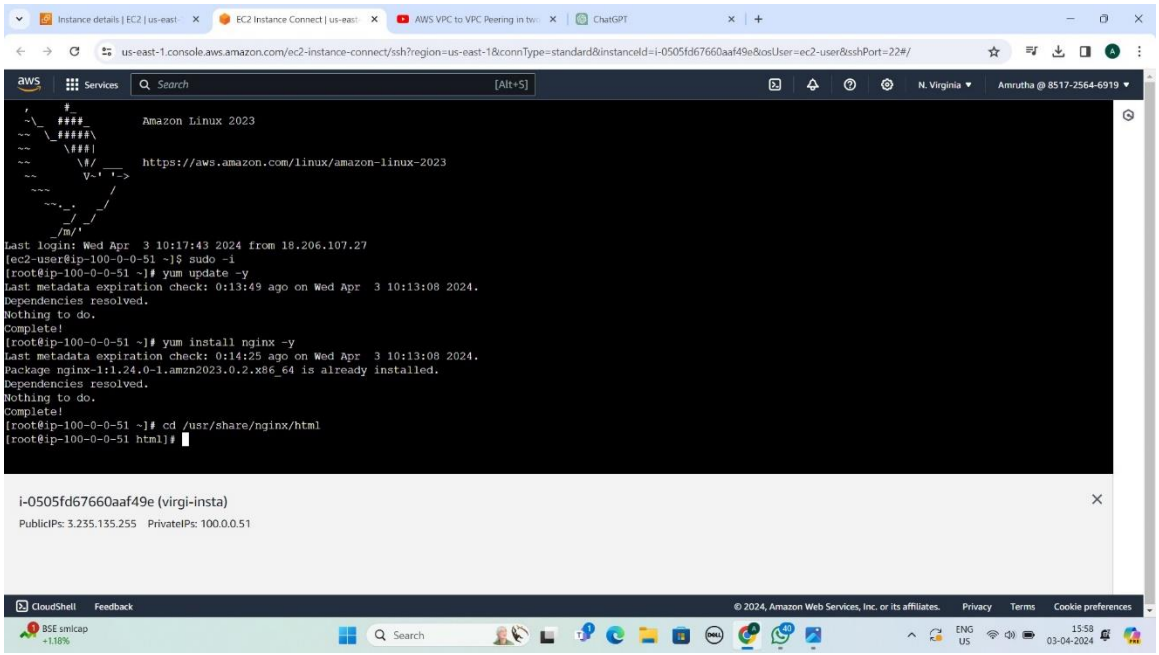


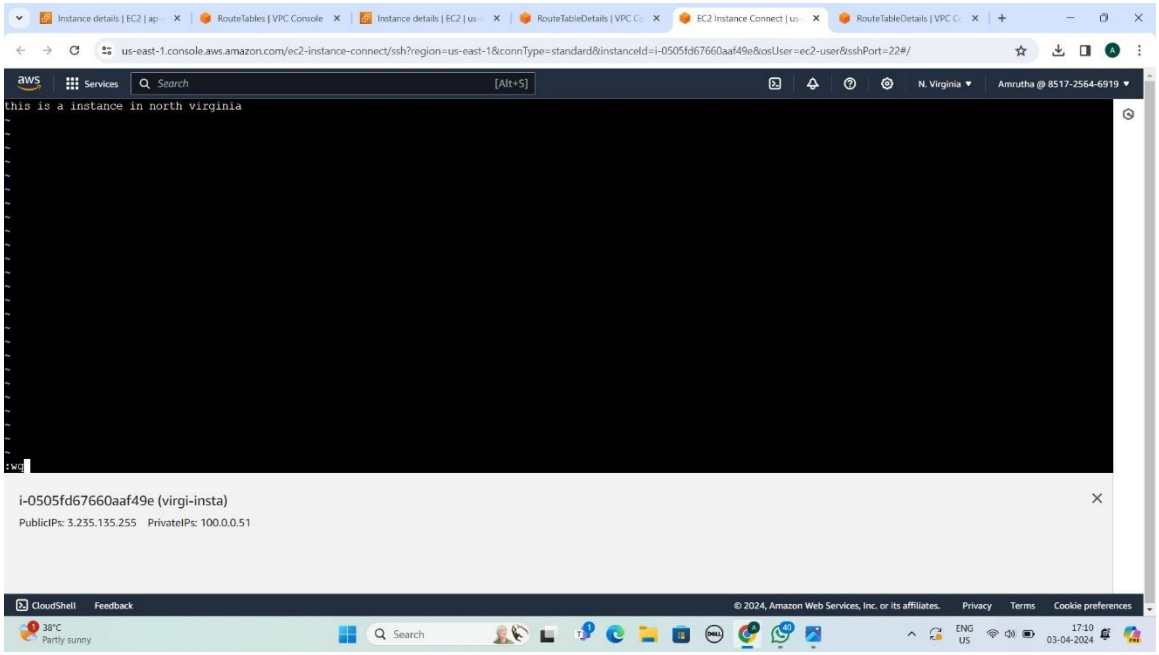


Step8:connect to the EC2 instance

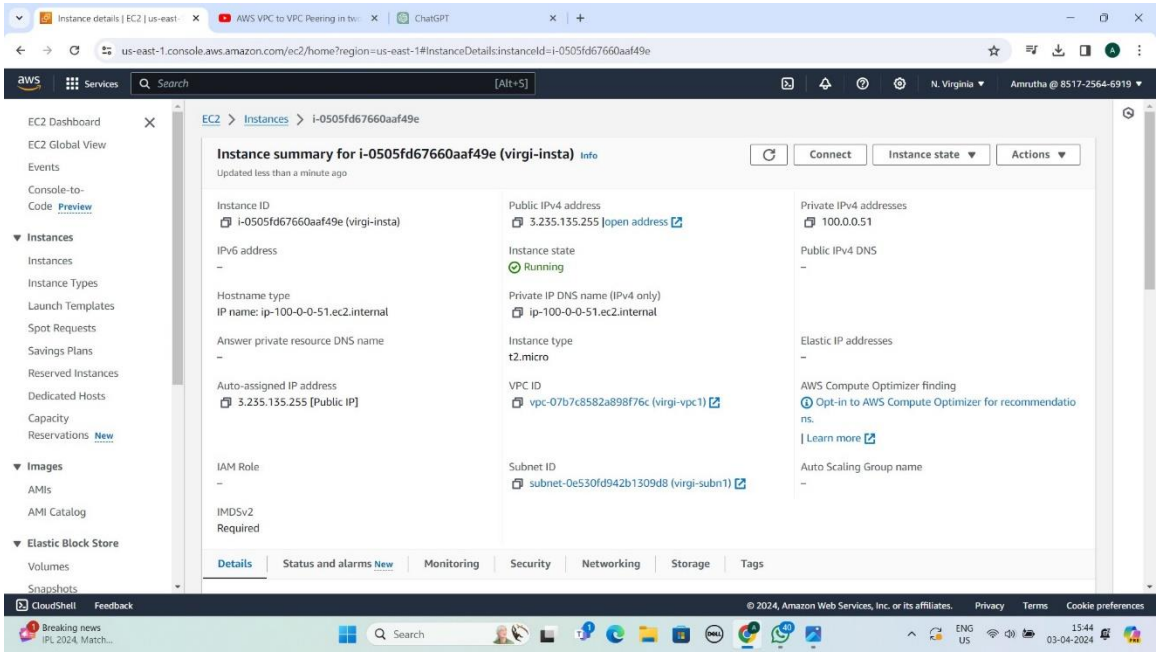


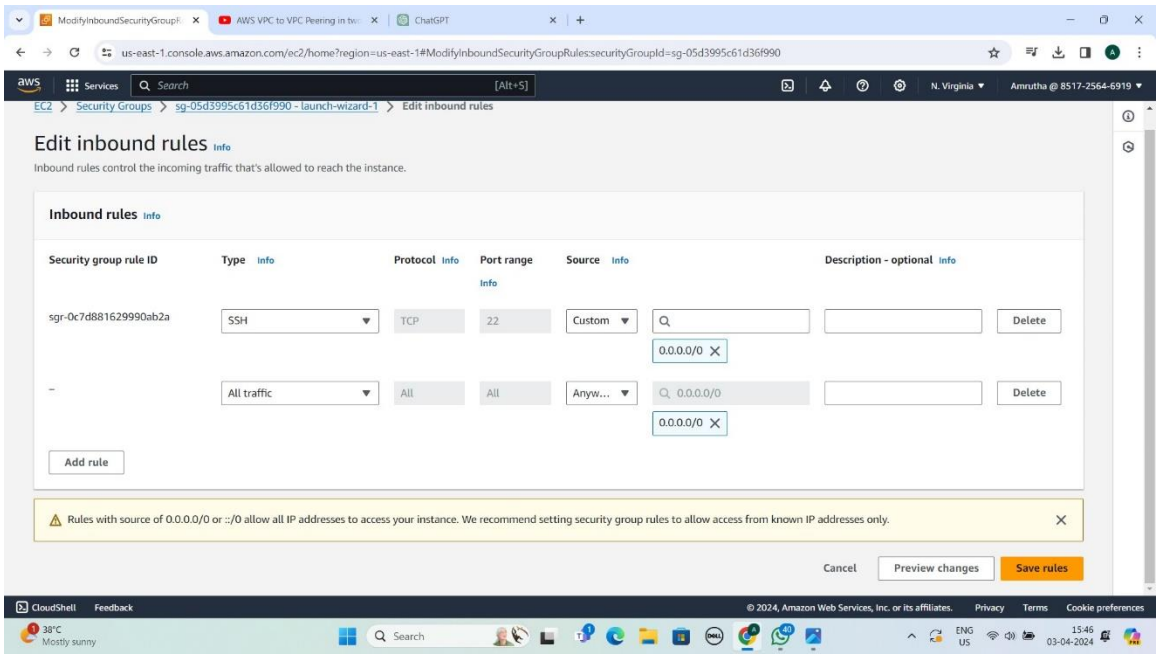
Step9: then update and install nginx and create a file and insert the content and save it



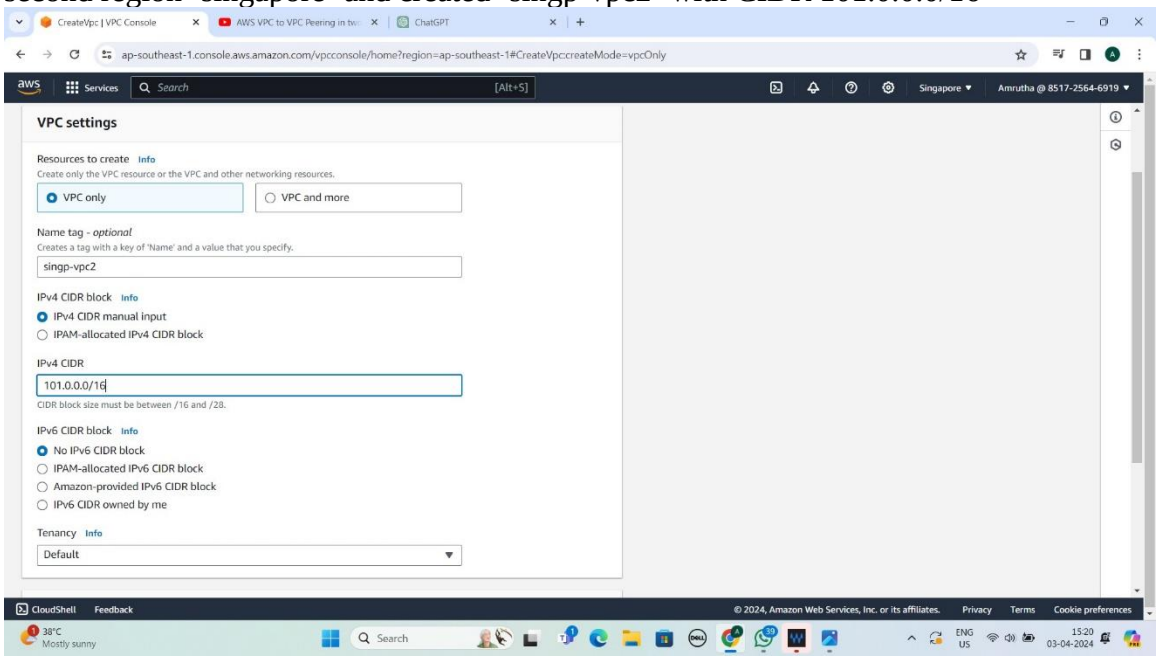


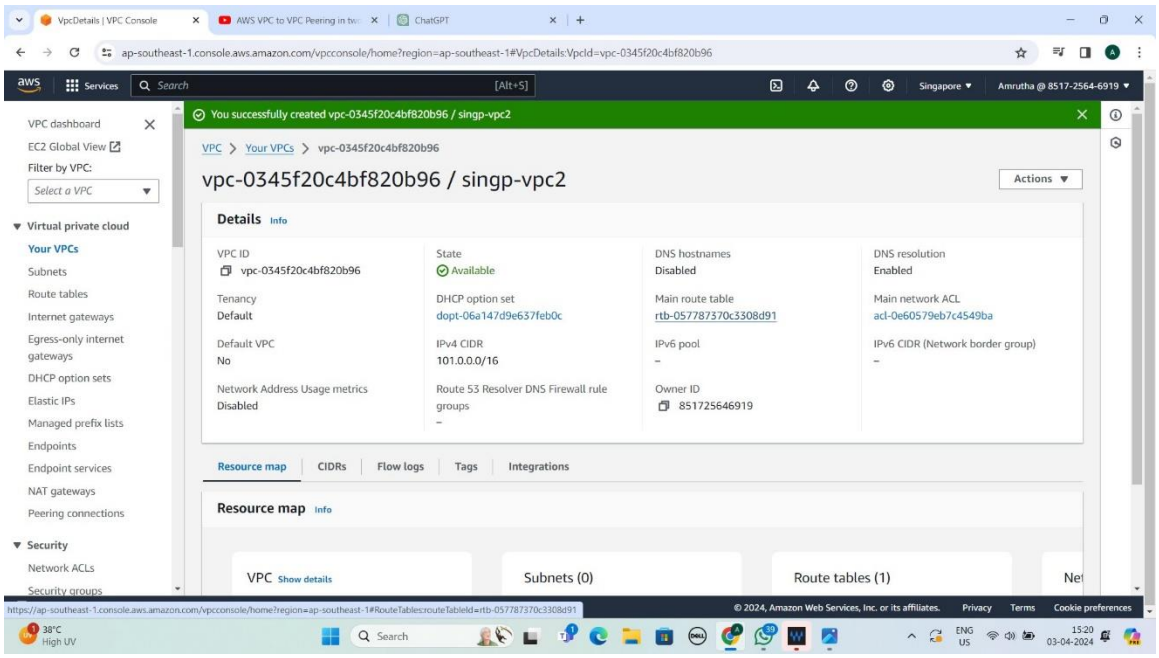
Step10: Then in the Security section click on the security groups and edit the in-bound rules by adding the all traffic type and save rules



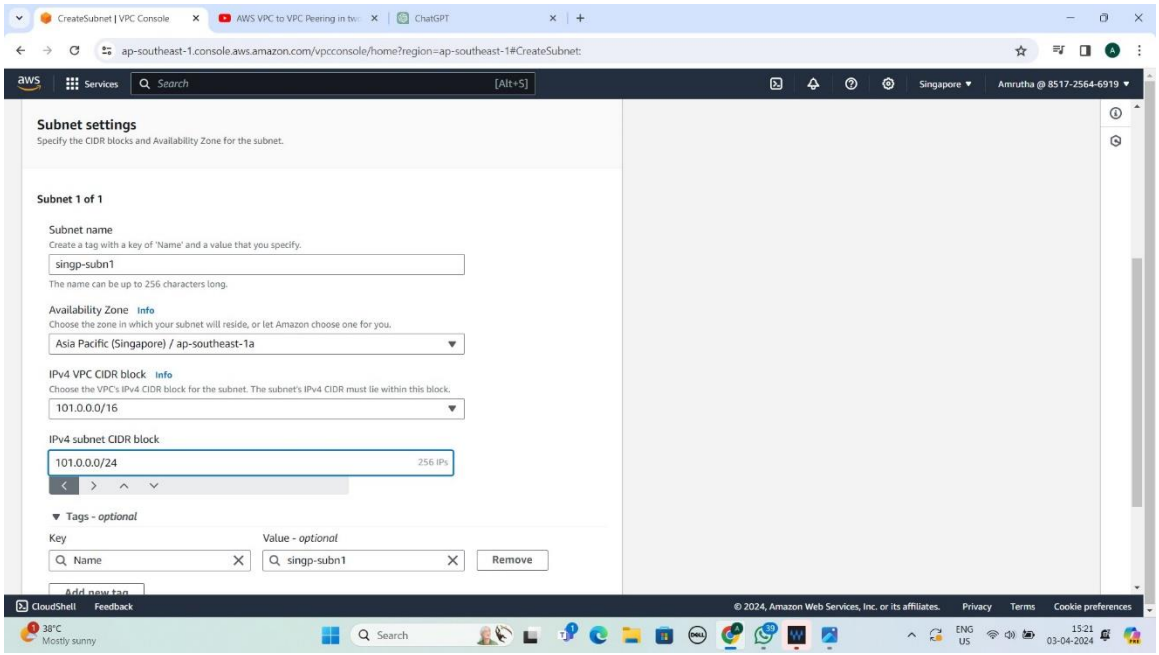


Step11: In the similar way we create another vpc in another region here we take our second region ‘singapore’ and created ‘singp-vpc2’ with CIDR 101.0.0.0/16

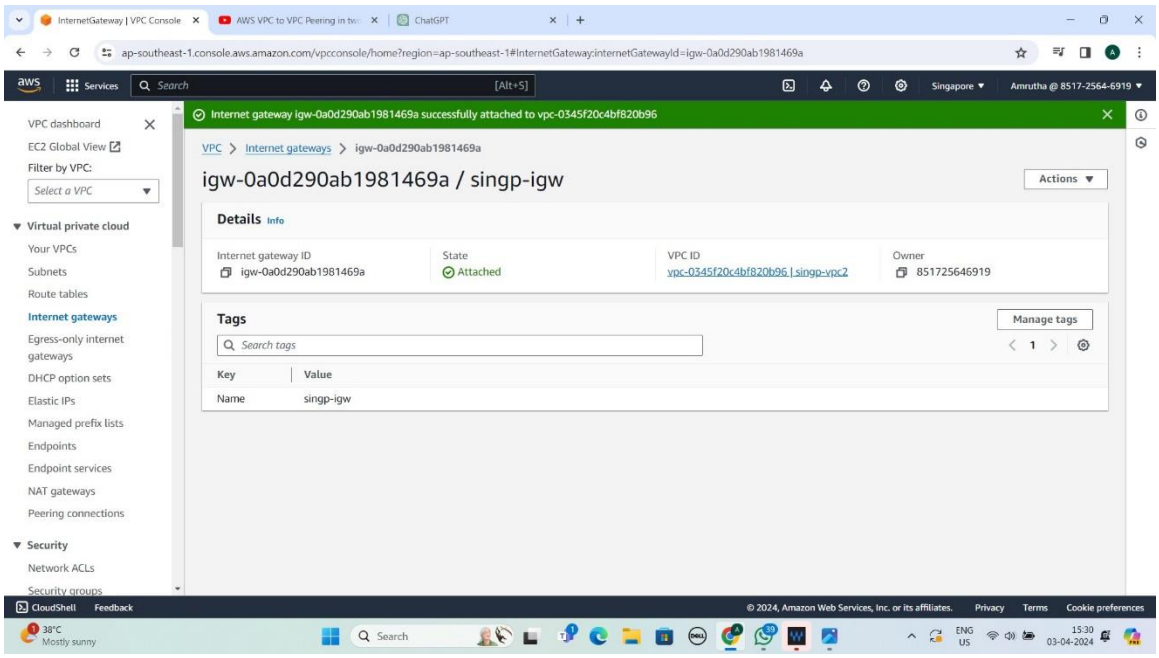




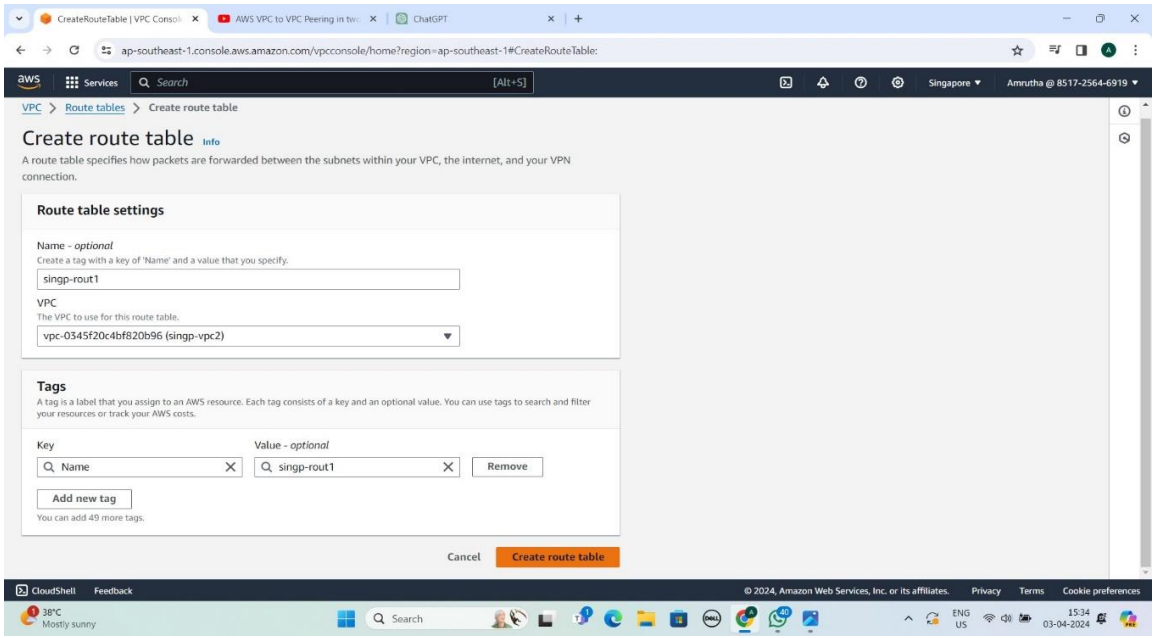
Step12: created ‘singp-subn1’ with CIDR 101.0.0.0/24 in ‘ap-southeast-1a’

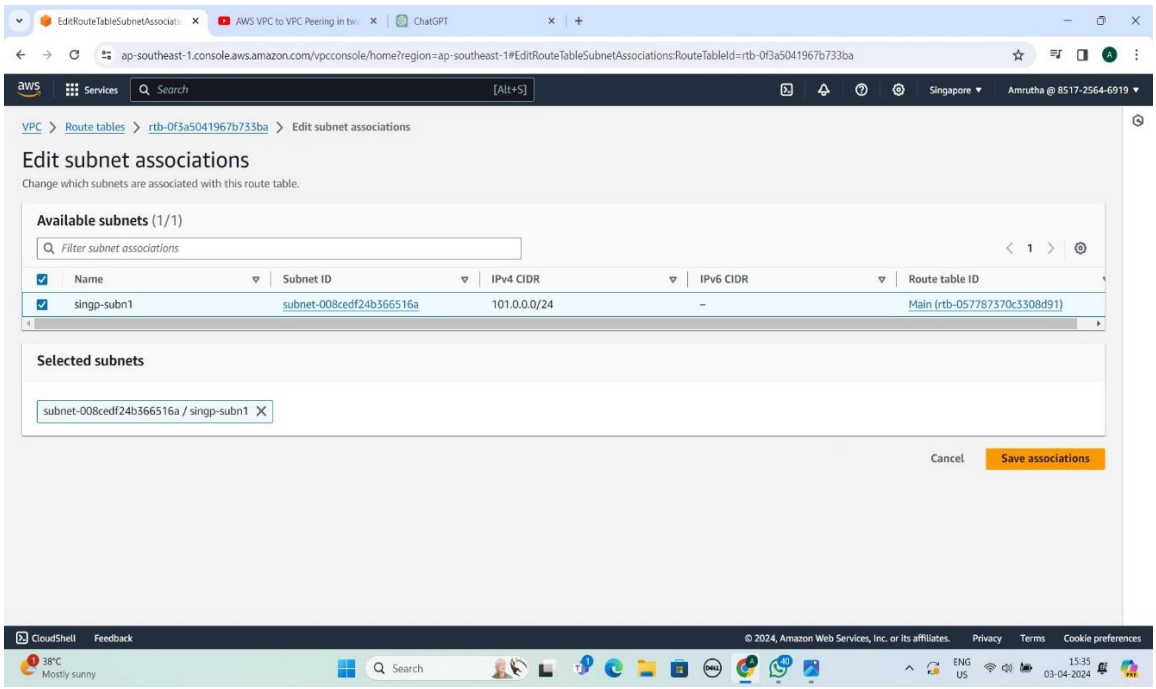


Step13:created ‘singp-igw’ internet gateway and attached the vpc

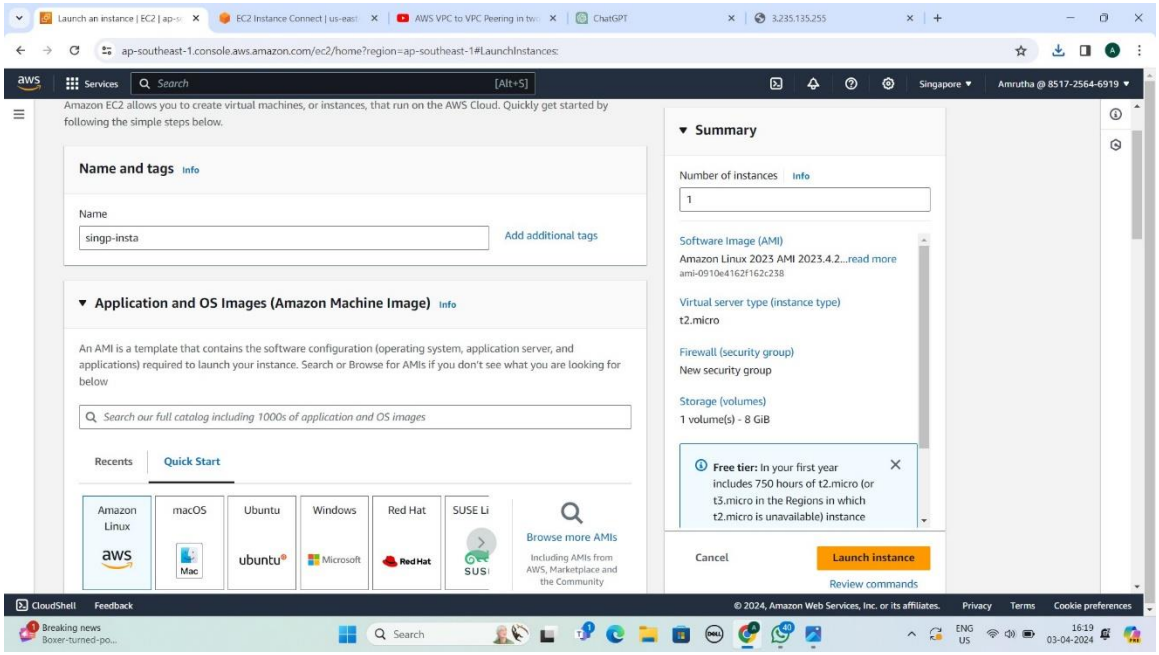


Step14:created ‘singp-route1’ and attached the internet gateway and associated the subnet

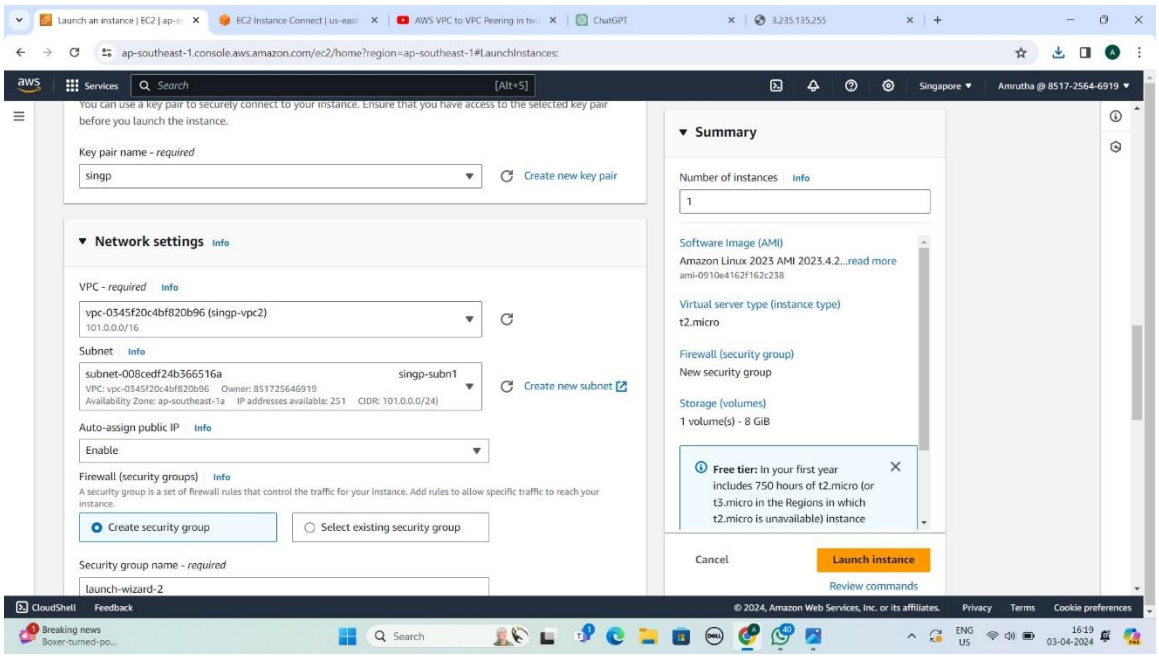


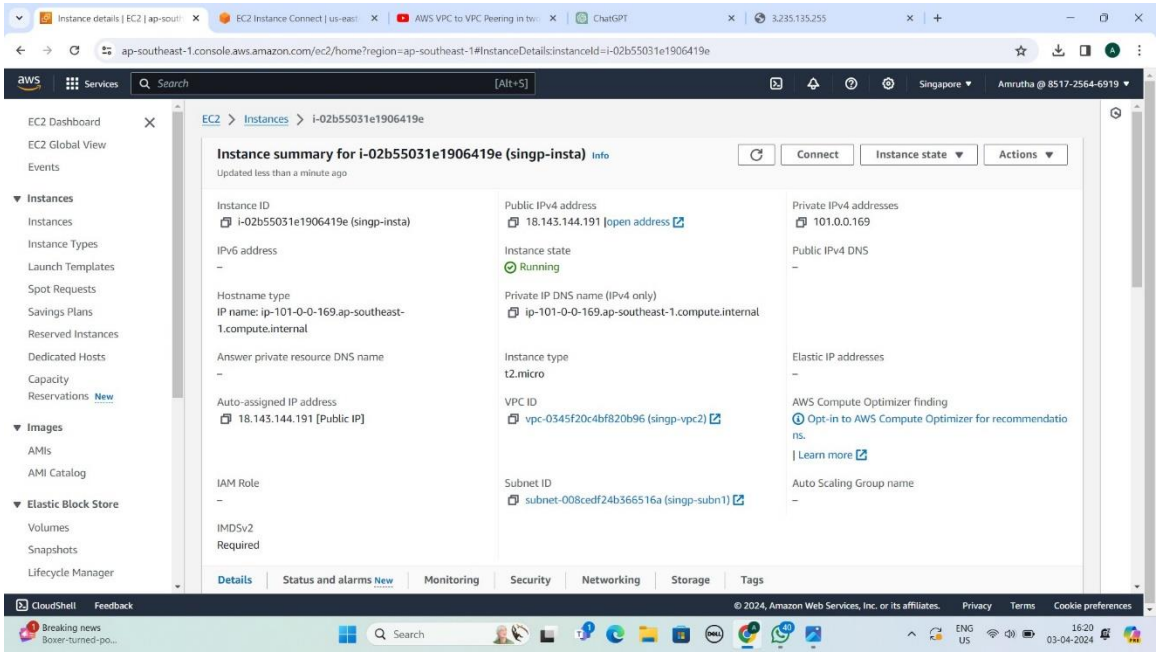


Step15: now create a EC2 instance here we created ‘singp-insta’ using Amazon Linux

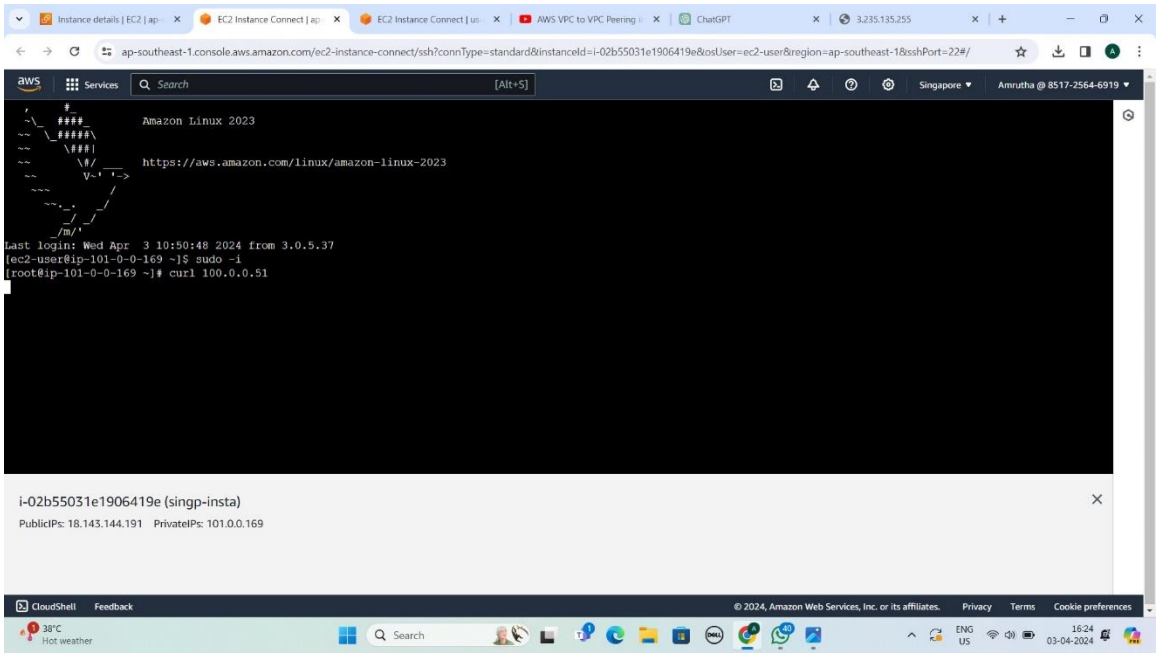


Step16: created a then edit network settings by selecting appropriate vpc and subnet then allow auto assign public ip then launch instance and in the Security section click on the security groups and edit the in-bound rules by adding the all traffic type and save rules

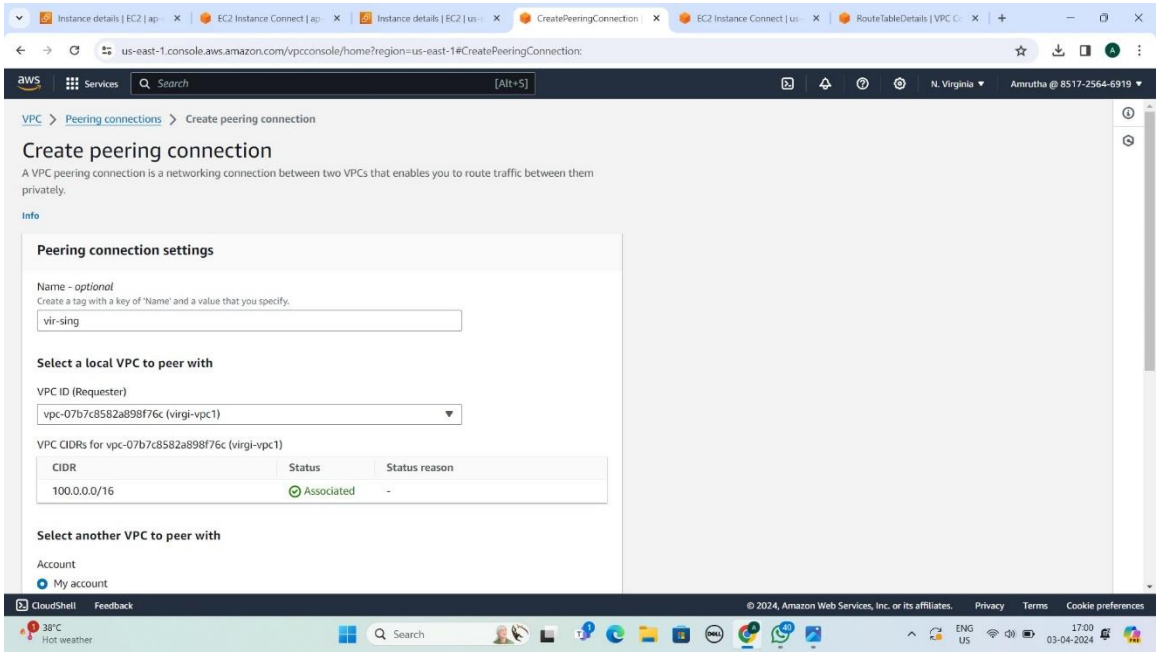




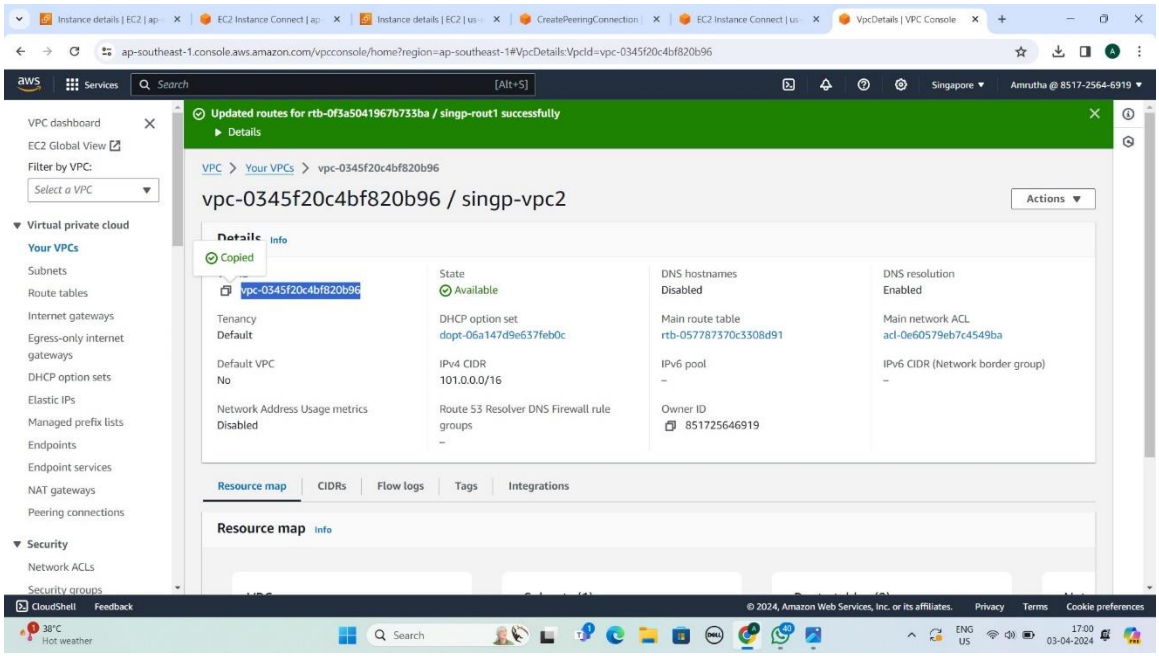
Step17:connect to the instance and try to access the private ip in signapore region it gives a failure as there is no connection between them

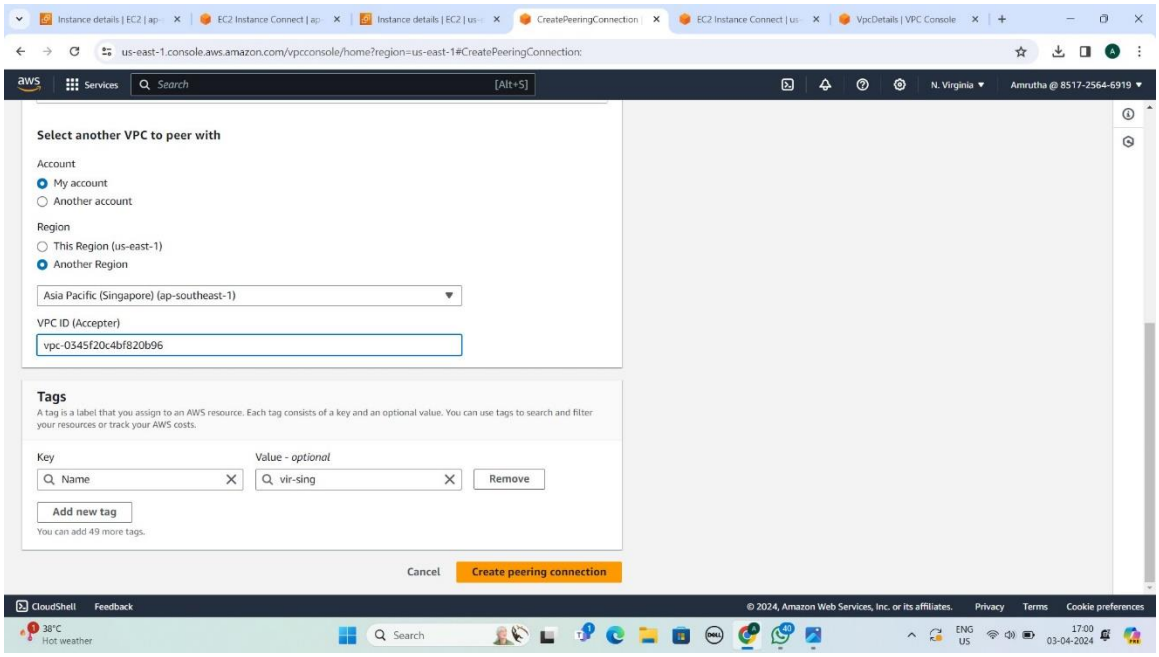


Step18:create a peering connection in virgina here we created ‘vir-sing’ and attach local vpc

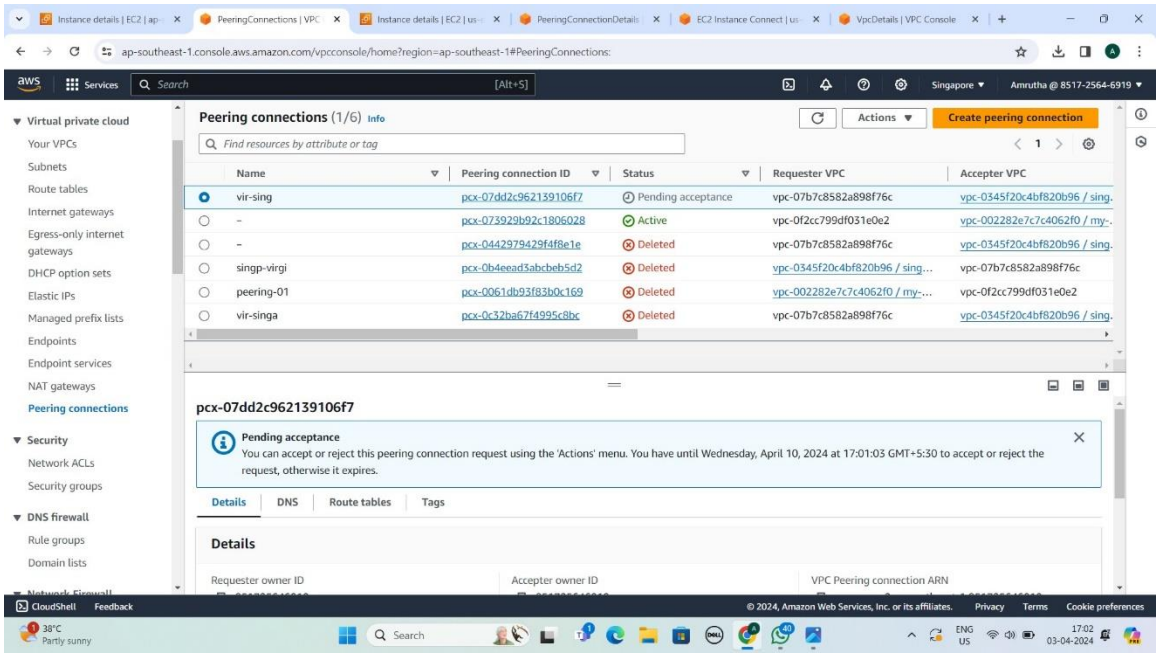


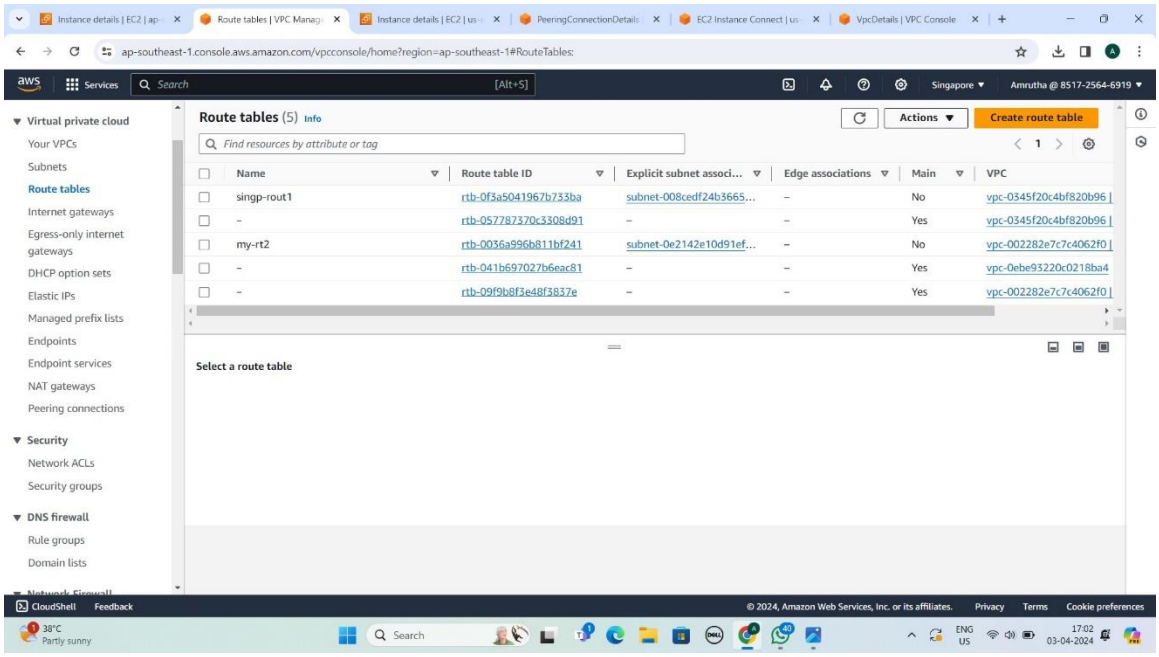
Step19: now copy the vpc id of the accepter [another region vpc] and past it in the virgina peering creation field and create peering

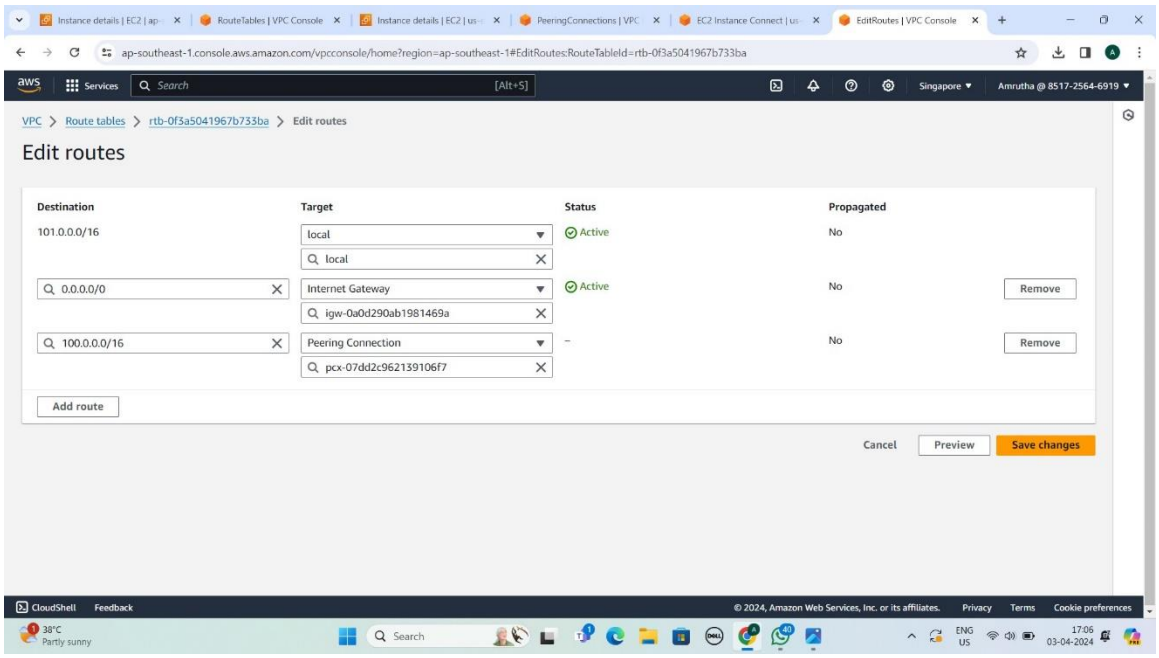




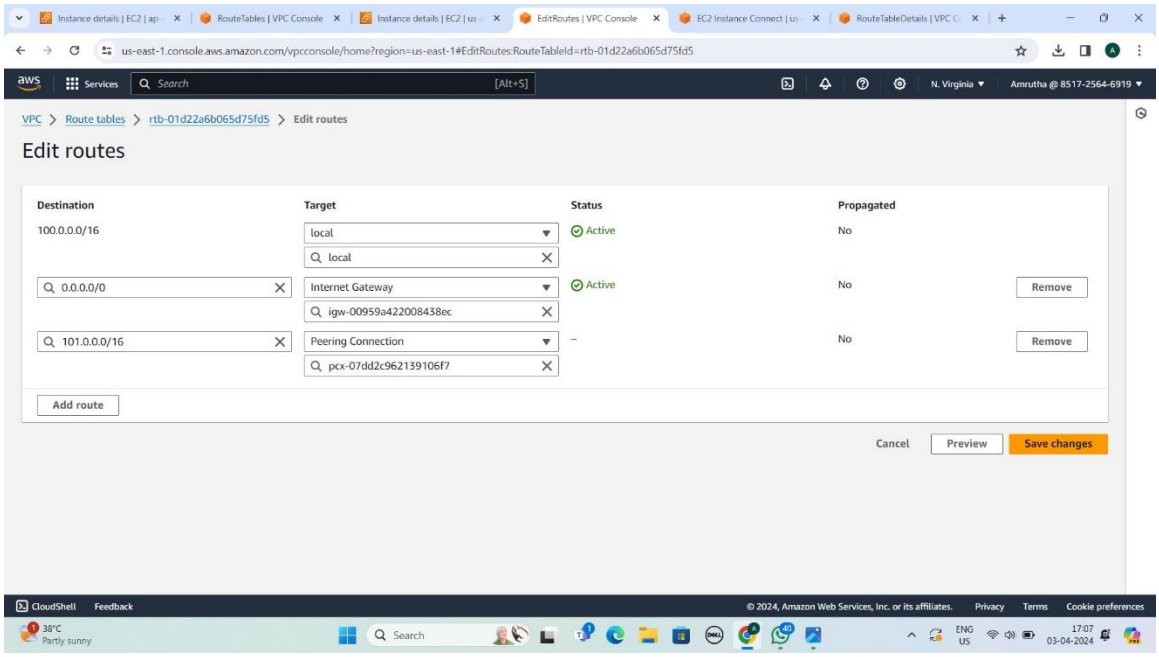
Step20: accept the peering request in the Singapore region and by clicking the edit route we link the virgina to singapore



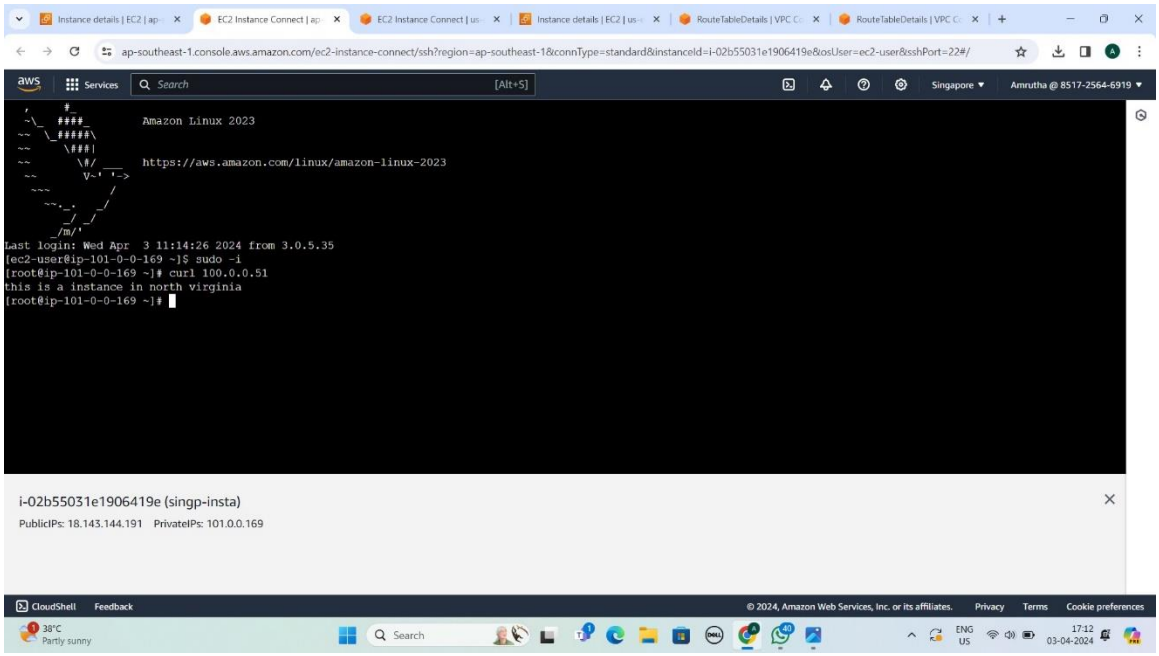




Step21: in the similar way edit the route in virgina and connect Singapore



Step22: them connect to the EC2 instance in Singapore and access virgina vpc through it by using the private id of virgina vpc



Conclusion: Here we successfully connect two vpc’s in different region through vpc peering and access the content in them.