**Creation of VPC**

Region: Mumbai

CIDR = 10.0.0.0/16 (65,536 IP Address)

A screenshot of a computer

Description automatically generated

Cration of Subnets for Demo-VPC

VPC – Demo-VPC

CIDR – 10.0.0.0/24 -> Public subnet (256 IP Address)

10.0.1.0/24 -> Private subnet (256 IP Address)

A computer screen with a white screen

Description automatically generated

Creation of Internet Gateway

State: Detached

A screenshot of a computer

Description automatically generated

Attaching to Demo-VPC

A screenshot of a computer

Description automatically generated

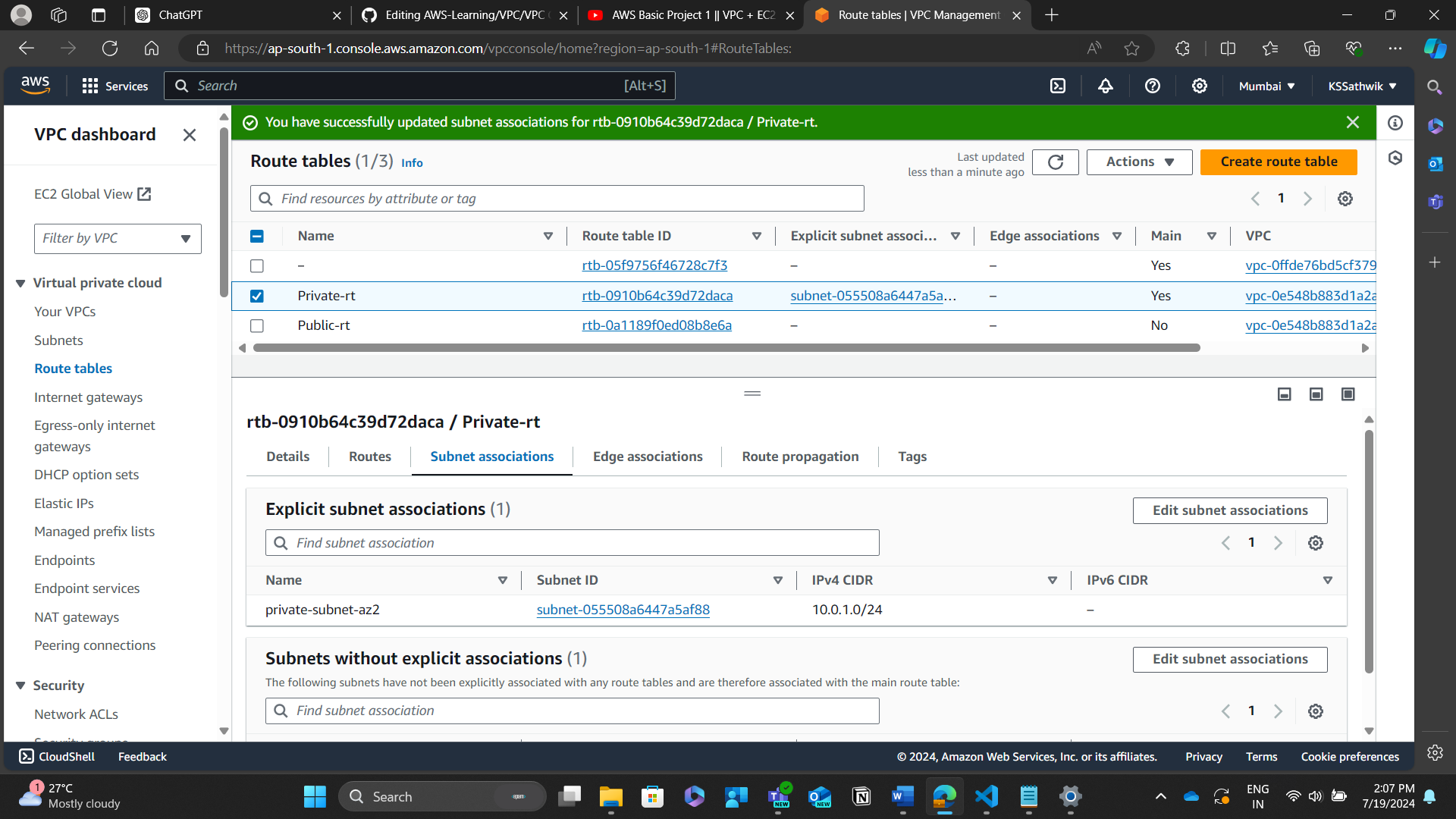
A screenshot of a computer

Description automatically generated

Creation of additional Route table for public subnet

Private subnet should be associated with private route table(under subnet associations)

By default, routes destination is 10.0.0.0/16 i.e., entire VPC which we can’t remove/delete as it should be accessible .



For Public route table, I am adding Internet gateway (in routes)

Associating Public subnet to it.

A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated

Create Public Instance and Private Instance

Public Instance

Name = Public-EC2

Attached to Demo-VPC, Public-subnet, created a security group of

> SSH, port 22, anywhere

>Custom, port 80, anywhere

Public IP address = No

Enabled Public DNS in Demo-VPC

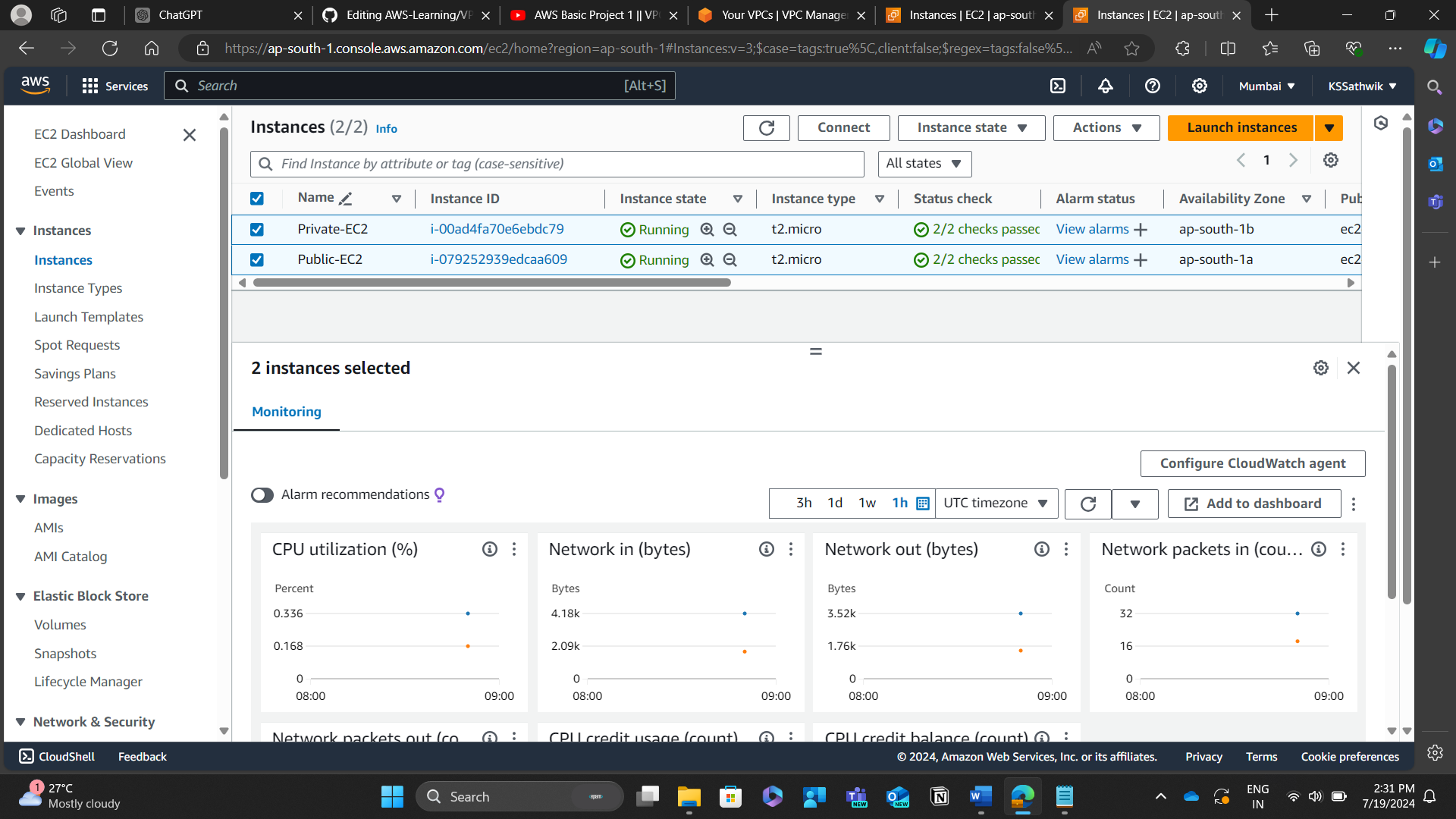
Private Instance

Name = Private-EC2

Attached to Demo-VPC, Private-subnet, created a security group of

> SSH, port 22, anywhere

Public IP address = Yes



Resource MAP

A screenshot of a chat

Description automatically generated

Now, You can the Public EC2 as it is connected to Internet Gateway , whereas Private is not connected.

Through Public EC2 I am accessing Private EC2 as I have mentioned IP address of it in Security Group.

NACL is already created for the 2 Subnets

