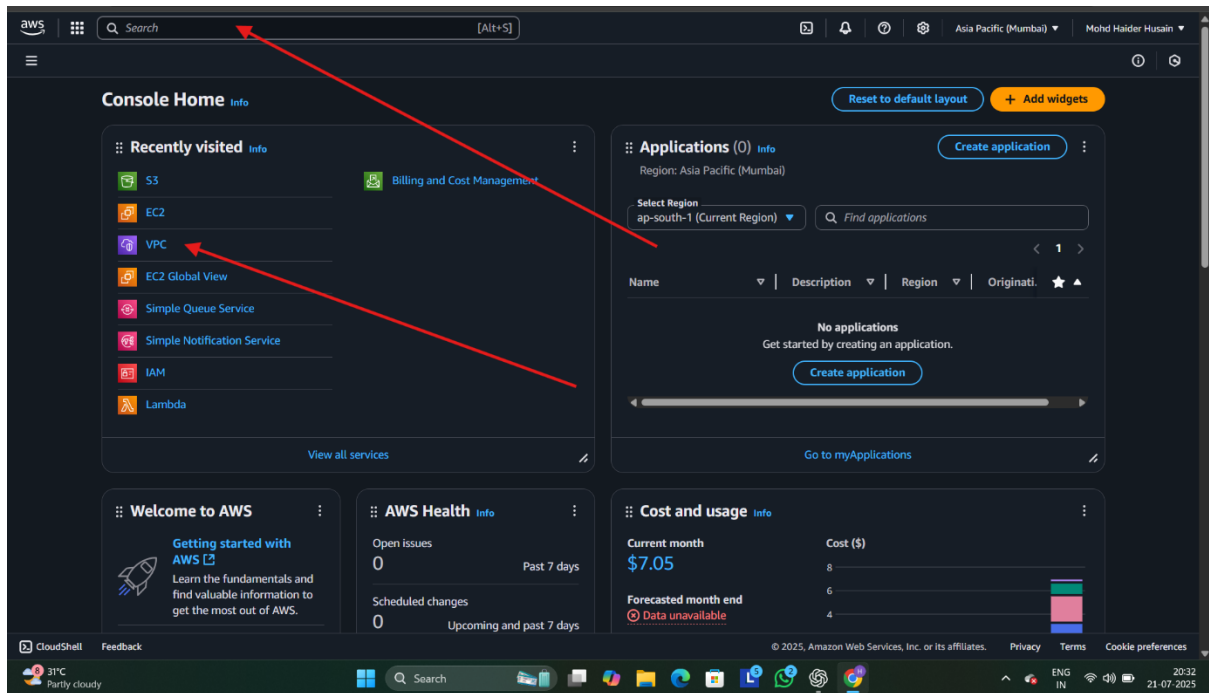


VIRTUAL PRIVATE CLOUD (VPC IN AWS)

setup guide

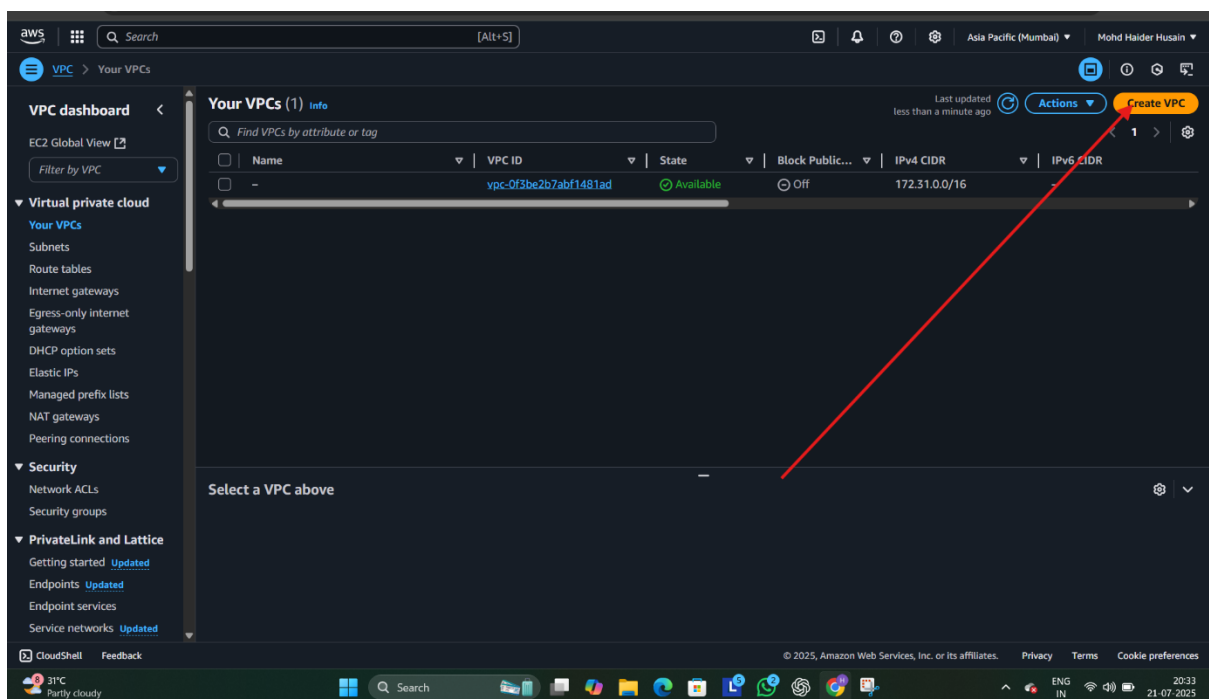


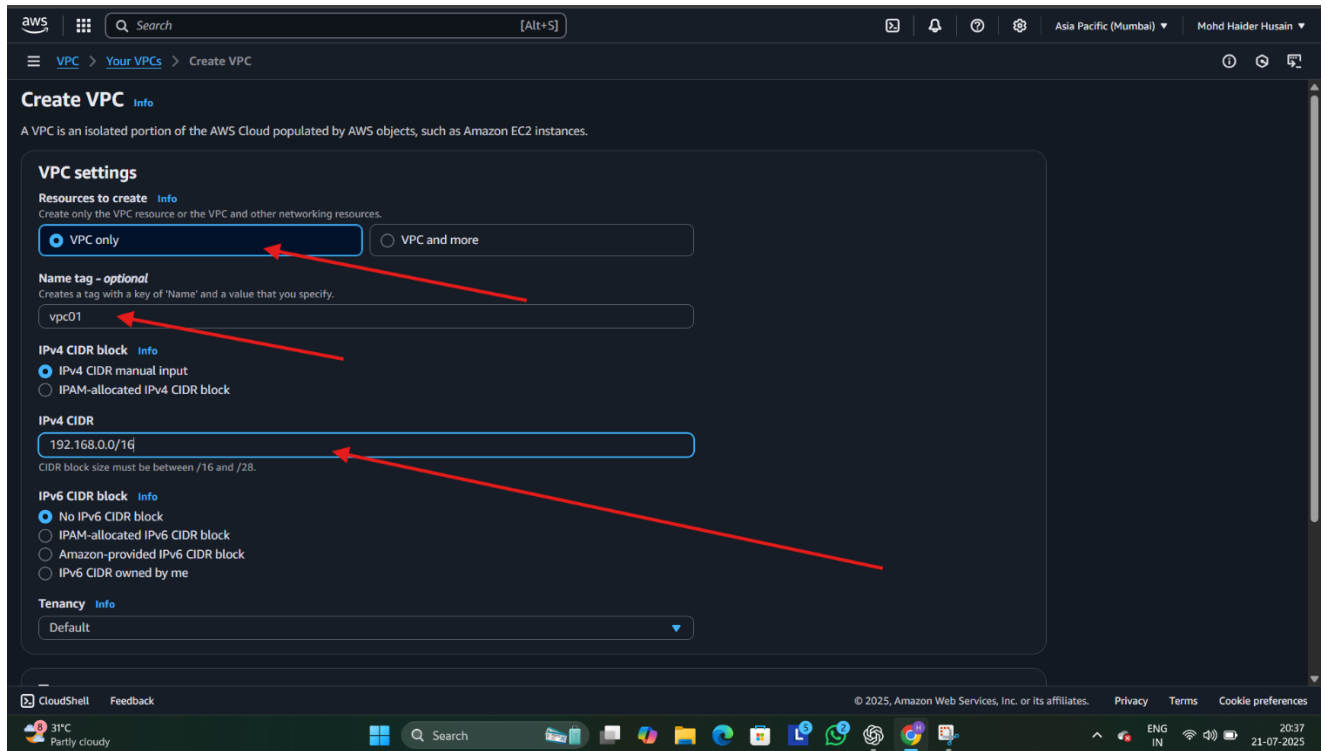
Prerequisites

- AWS Account
- Key Pair for EC2 login
- Basic understanding of VPC components (subnets, IGW, route tables, etc.)

Step 1: Create a New VPC

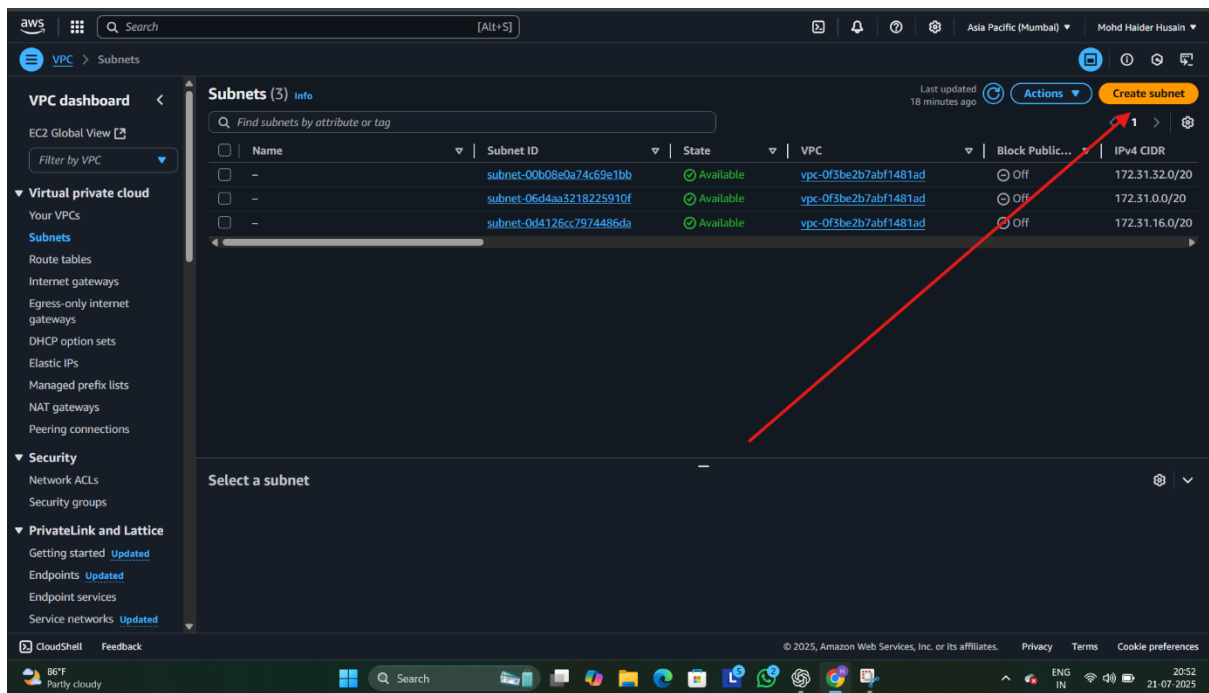
- Go to **VPC Dashboard** in AWS Console.
- Click **“Create VPC”** → choose **VPC Only**.
- Name your VPC (e.g., `MyCustomVPC`).
- Set IP v6 other options default and click **Create VPC**.





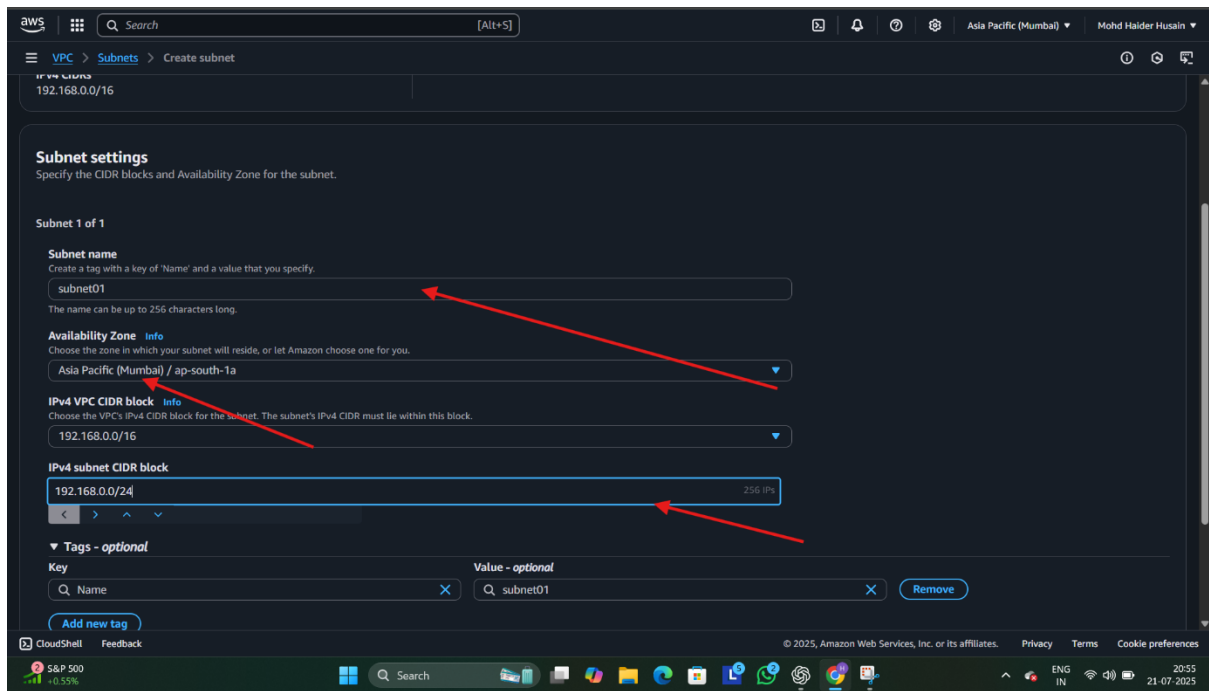
Step 2 : VPC CONFIGURATION

- Click on vpc only to proceed further
- Give a name to your VPC (optional but recommended)
- Write IPV4 CIDR : 192.168.0.0/16
- Select default tenancy
- Click on create



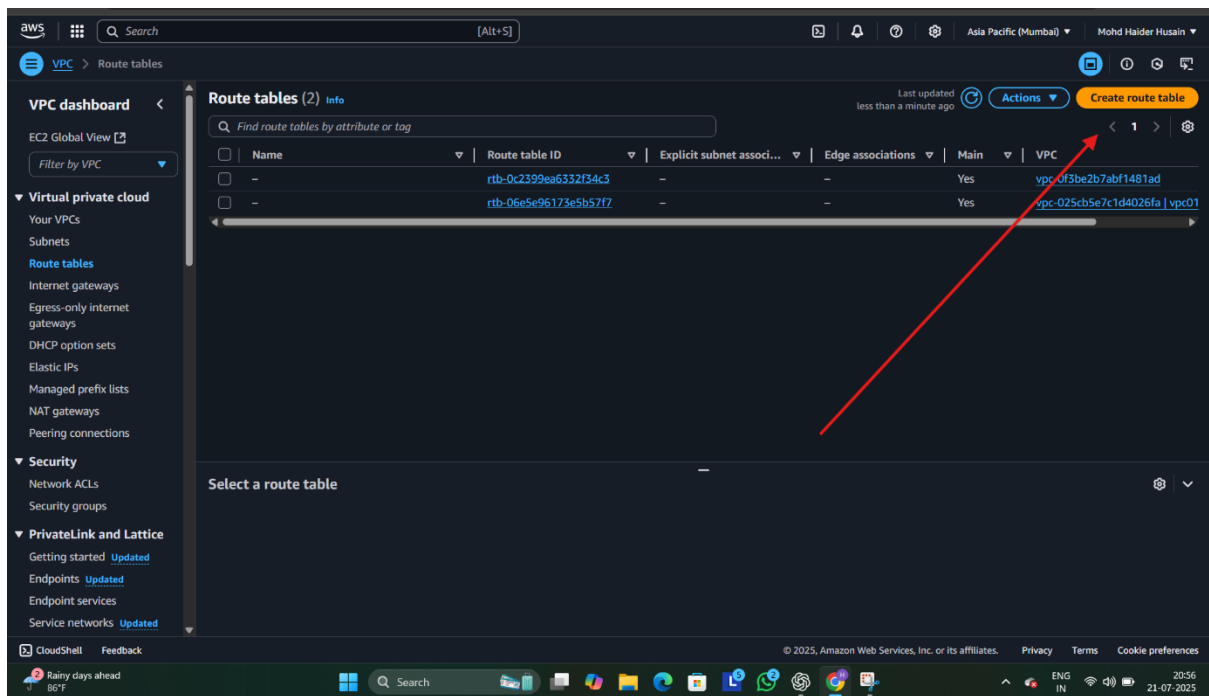
Step 3 : Subnet creation

- Make sure that VPC is successfully created then click on Subnet create
- If you are in the Mumbai region , by default there are already 3 subnets created
- Click on create subnet



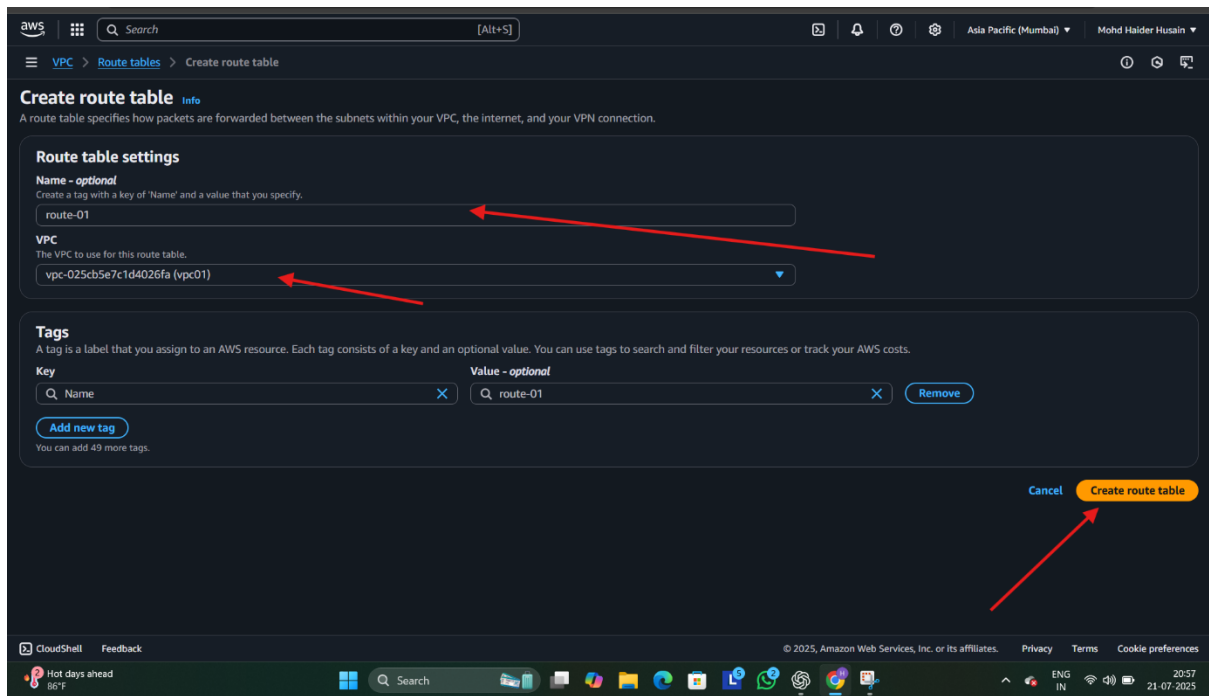
Step 4 : Subnet configuration

- Name the subnet you are creating eg.subnet01
- Select the availability zone eg.Asia Pacific (Mumbai)/ap-south-1a
- Write the IPV4 Subnet CIDR block : 192.168.0.0/24
- Click on create



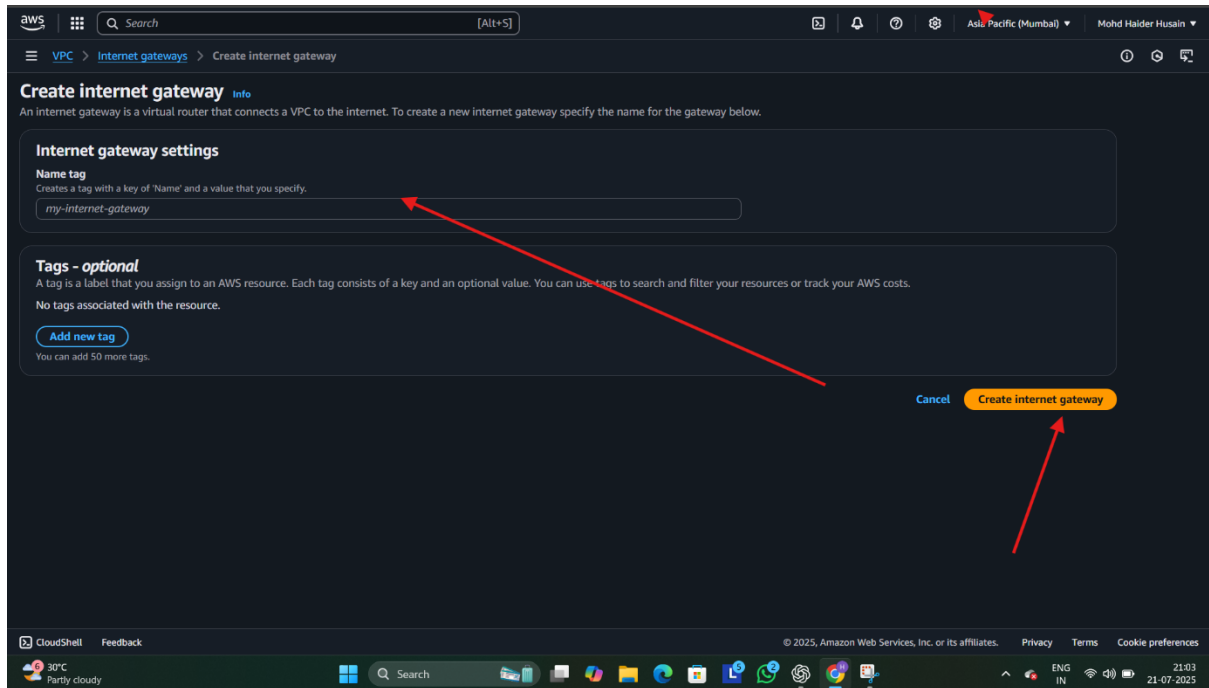
Step 5 : Create Route Table

- Make sure that all the previous steps are followed , click on create route table



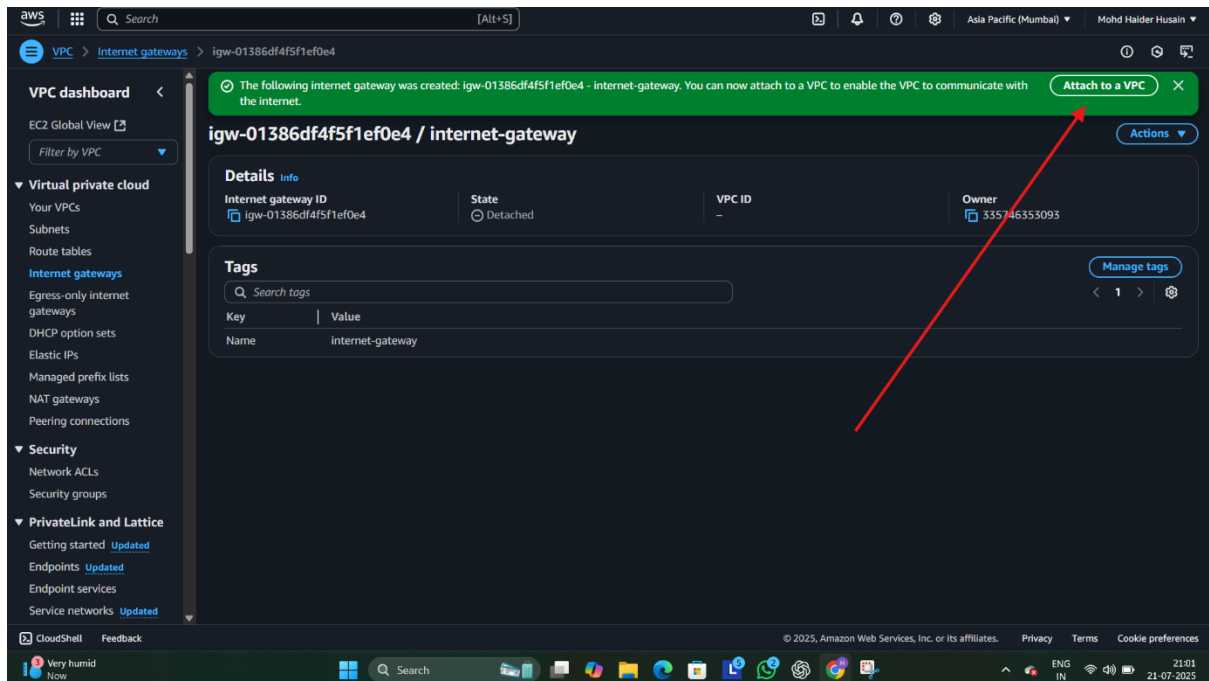
Step 6 : Route Table Configurations

- Name the route table created by you
- Make sure that you are connected to the correct VPC



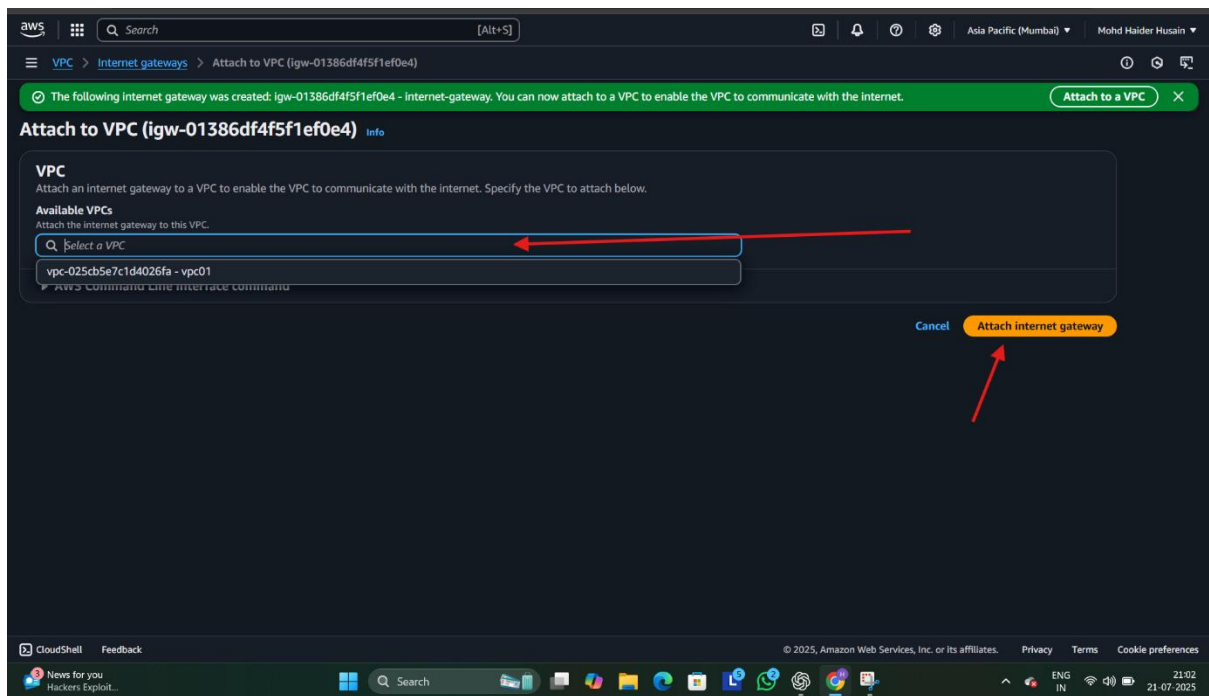
Step 7 : Create Internet Gateway

- Name the internet gateway
- Click on create



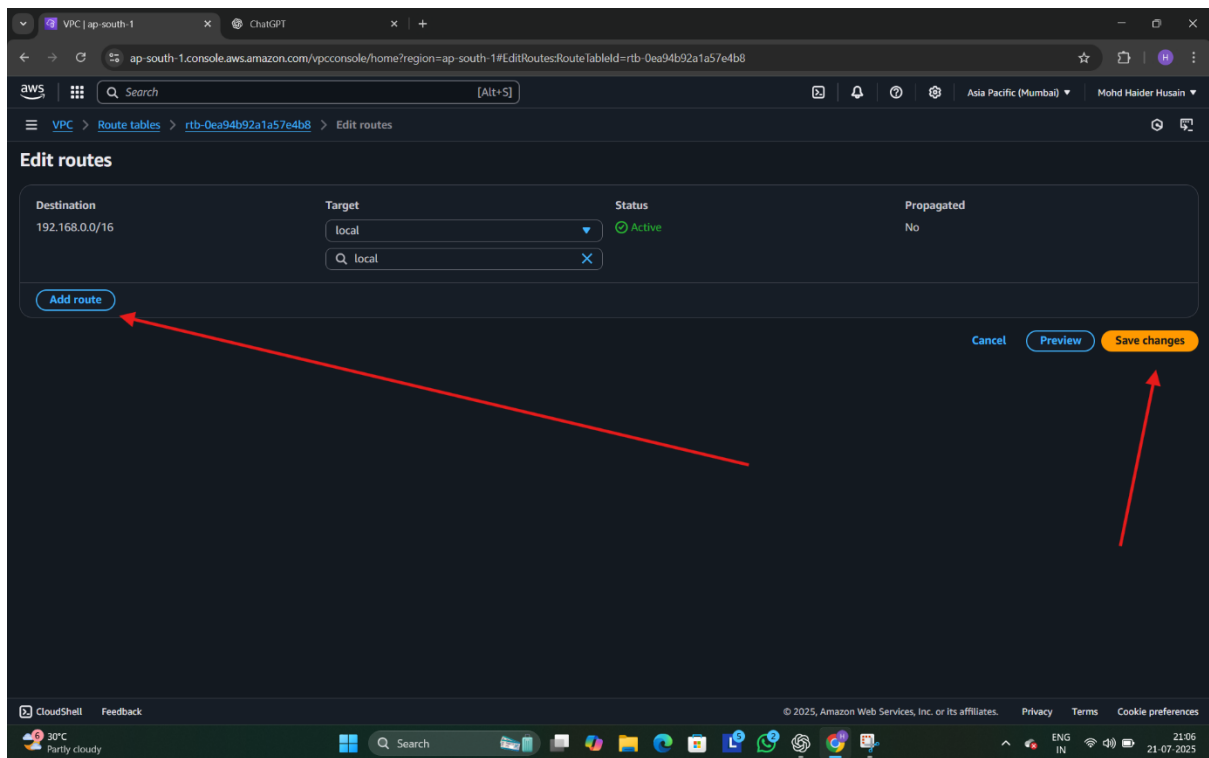
Step 8 : Internet Gateway Attachment

- When the internet gateway is created then you have to attach it with VPC (created by you)



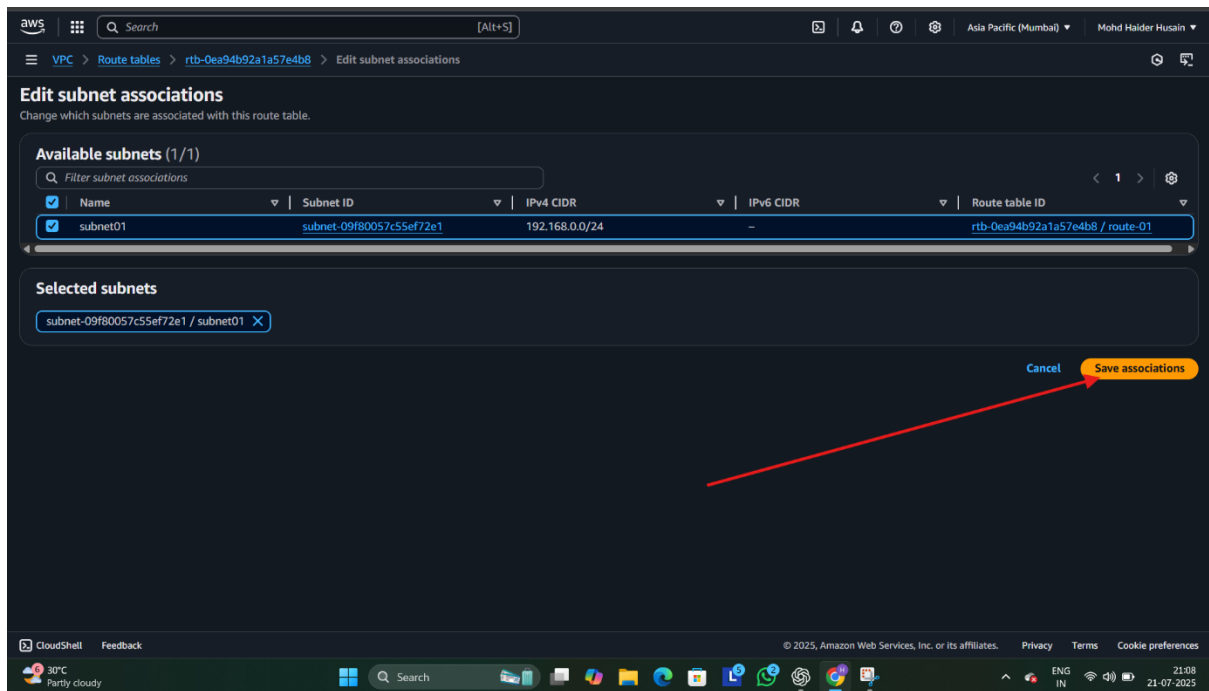
Step 9 : VPC Attachment

- Select the VPC you have created
- Click on attach internet gateway



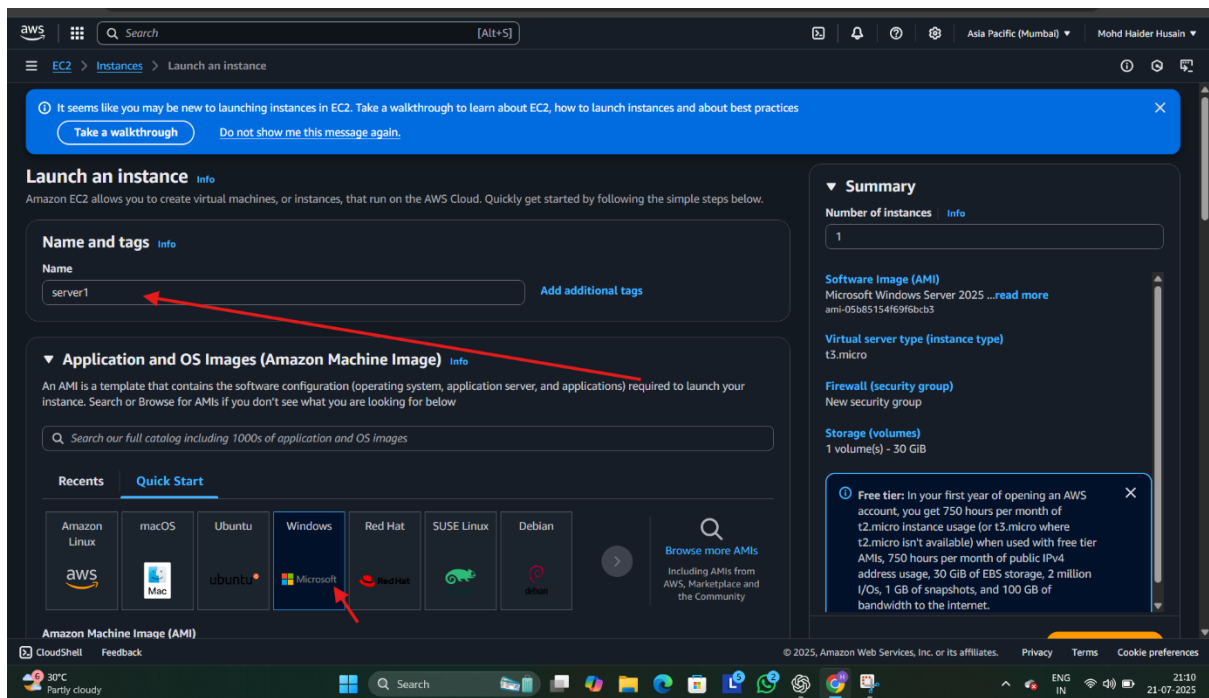
Step 10 : Edit Routes

- Click on VPC
- Select the route table section below
- Click on add route



Step 11 : Route Table subnet association setup

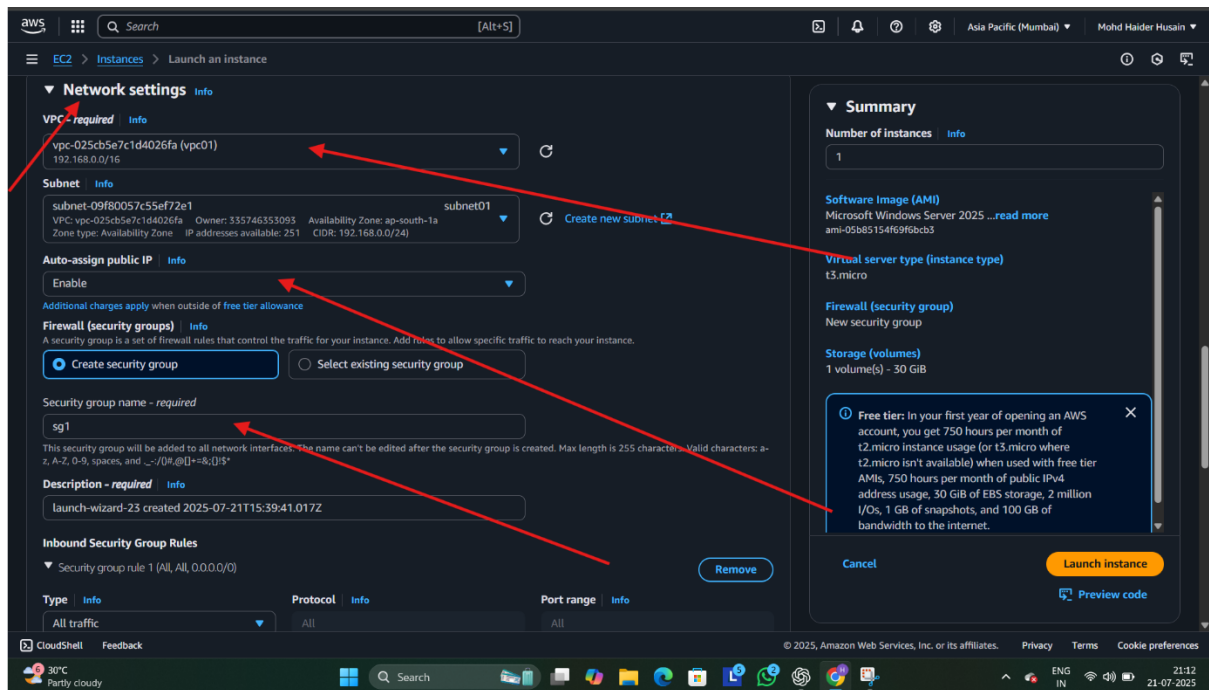
- Click on edit subnet association
- Select the subnet you have created
- Click on save association



Step 12 : Launch an EC2 Instance

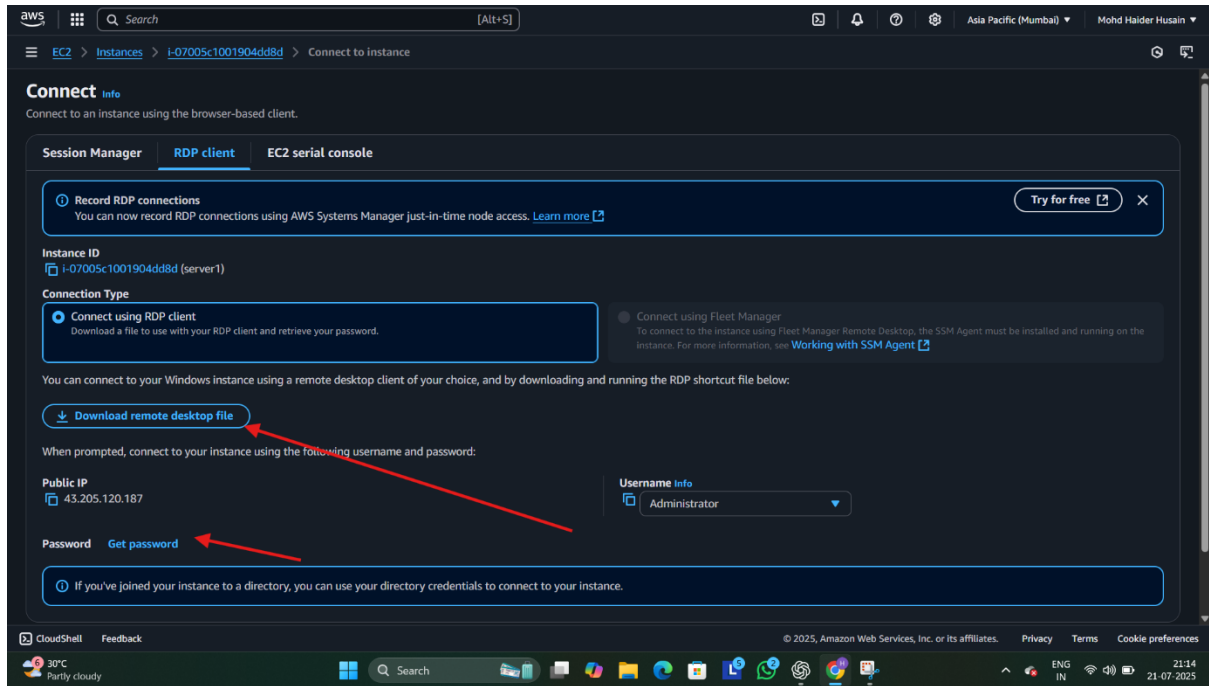
Navigate to EC2

- In the AWS Management Console, search for **EC2** in the top bar and click it.
- Select Windows



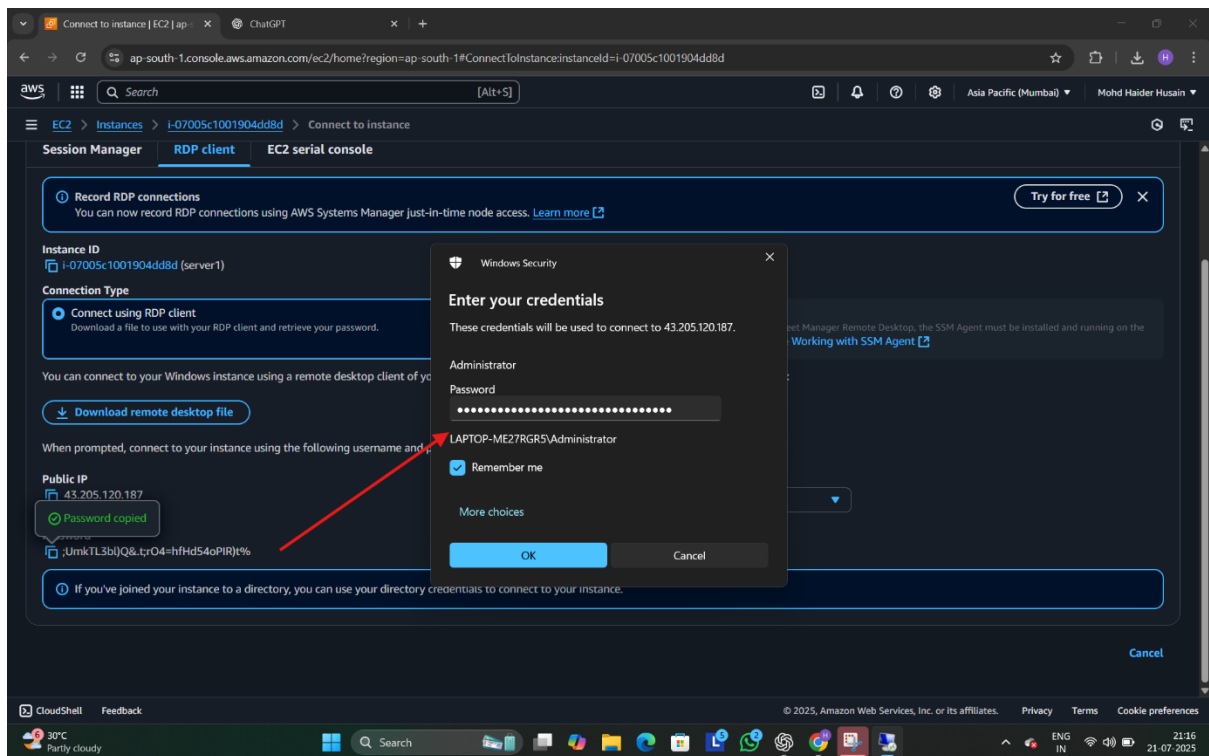
Step 13 : Network settings

- Select the VPC you have created
- Select the subnet you have created
- Enable Auto-assign public IP
- Click on inbound security group
- Change the type of traffic to all traffic



Step 14 : EC2- Connect

- Download remote desktop file
- Click on get password



Step 15 : Decrypt password and connect

- Click on connect then write the password you have got on screen
- Finally the windows server will be launched using your own VPC