D Y PATIL INTERNATIONAL UNIVERSITY
AKURDI PUNE

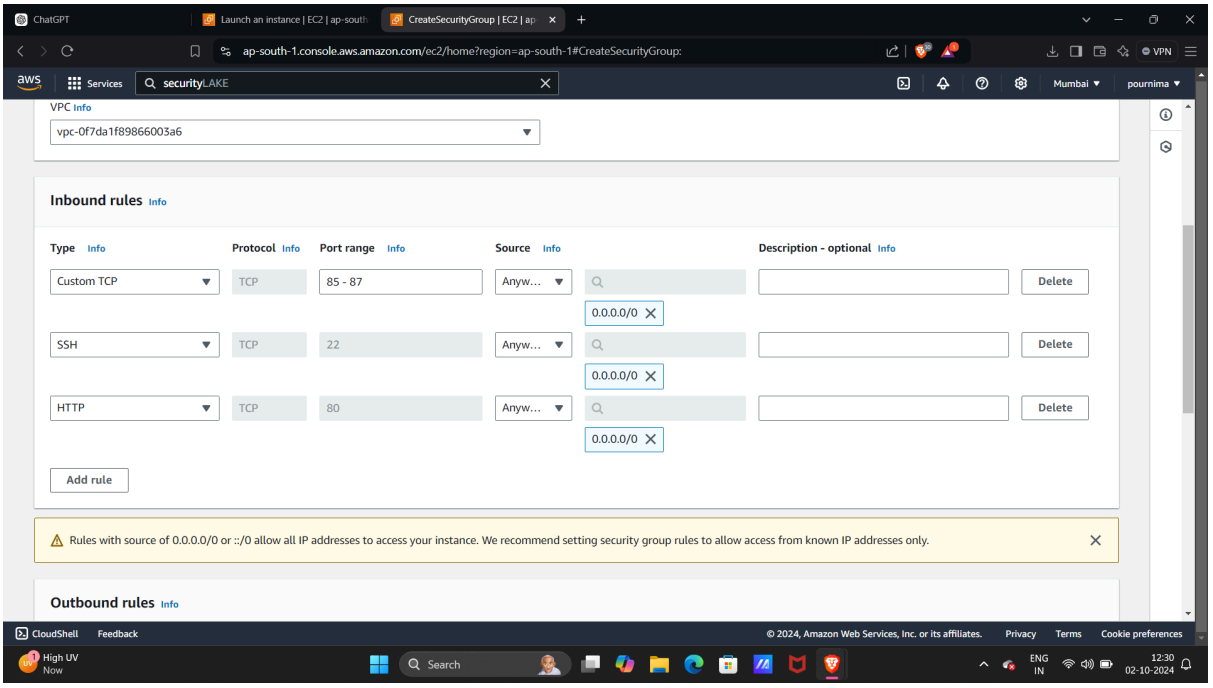
School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (CCSA)
Subject : Infrastructure Orchesteation (P)

Name of the Student:	**Pournima Mohan Patil**	**PRN:**	**20220801010**
Title of Practicle :	**Multi website hosting on Ec2**		

Step 1: Create a Security Group for the AWS Instance

Create a new security group for your AWS instance and add the following rules:

Inbound: Custom TCP rule: port 85-86-88
HTTP rule: port 80
SSH rule: port 22



Outbound: SSH rule: port 22
All traffic: allow all traffic

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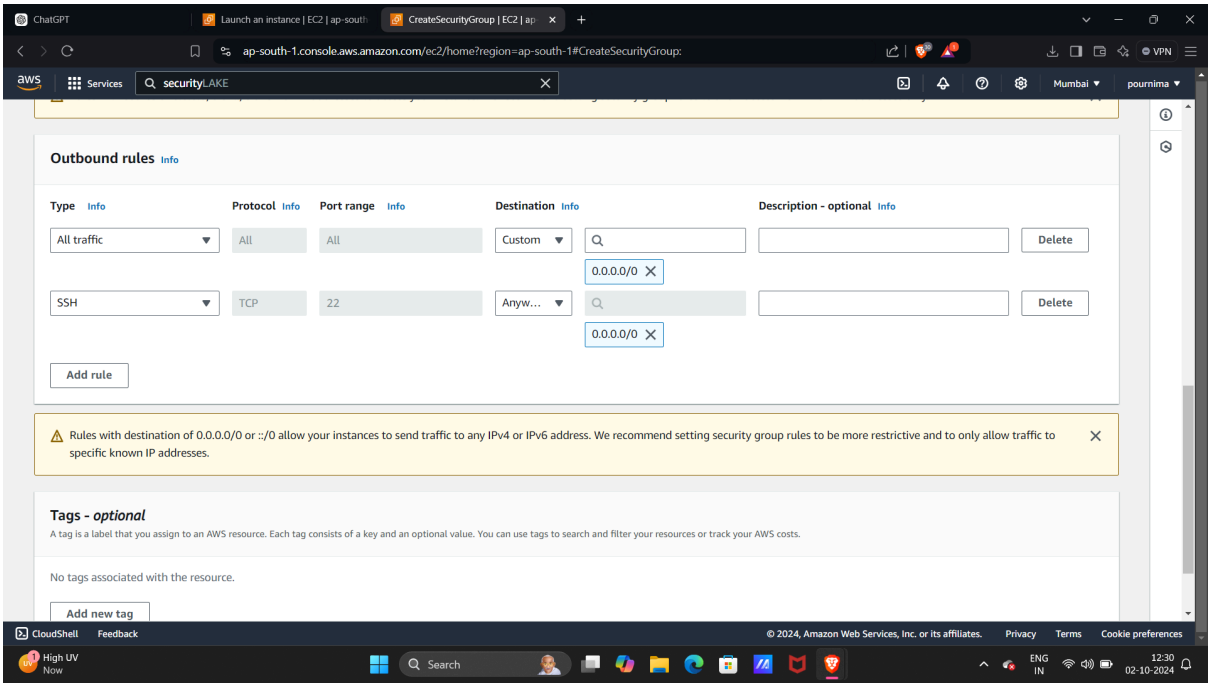

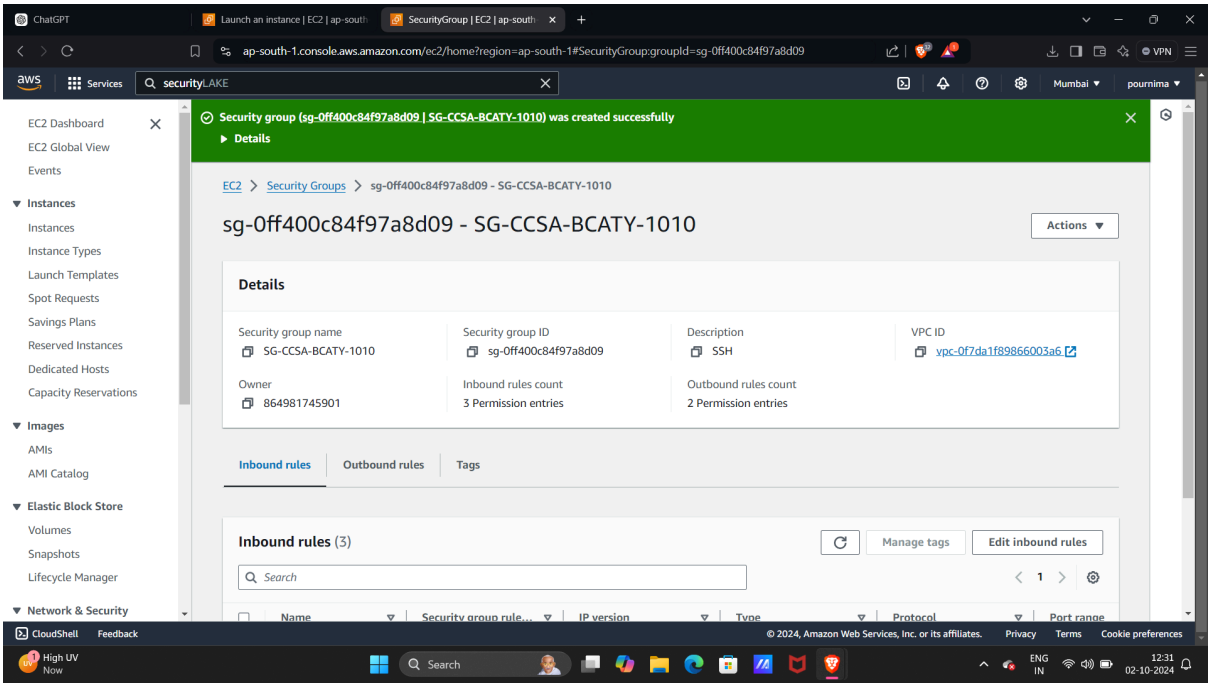

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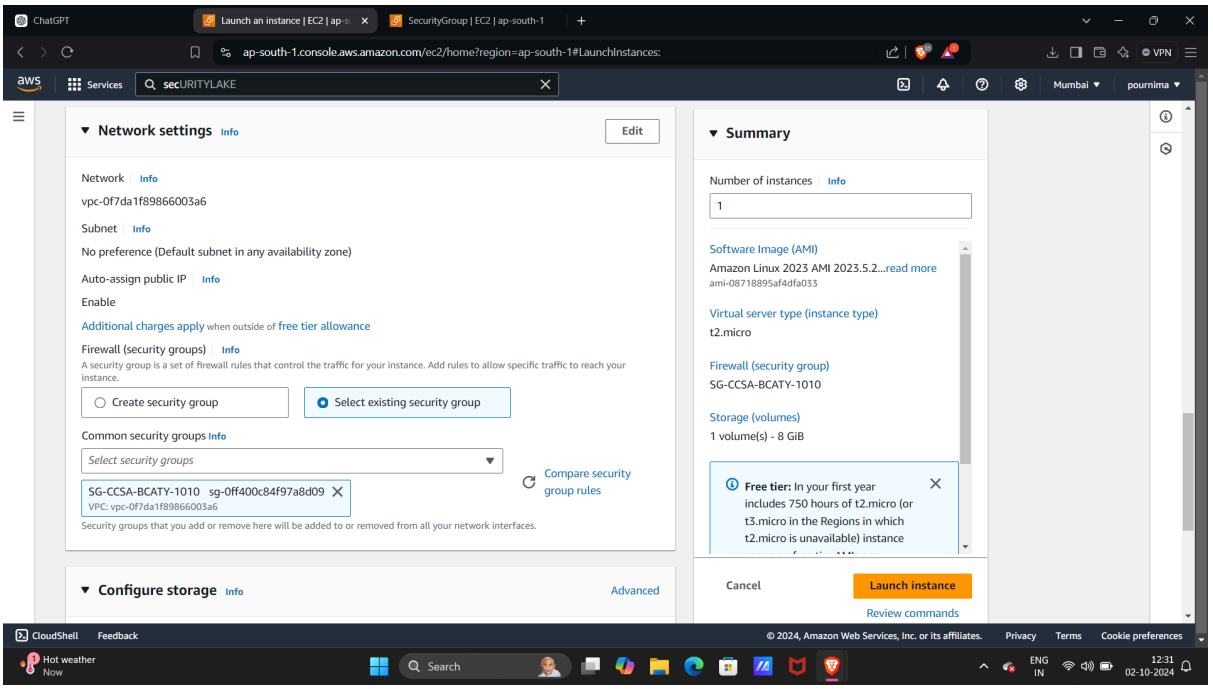
Step 2: Launch the Instance

Launch a new instance of Amazon Linux.



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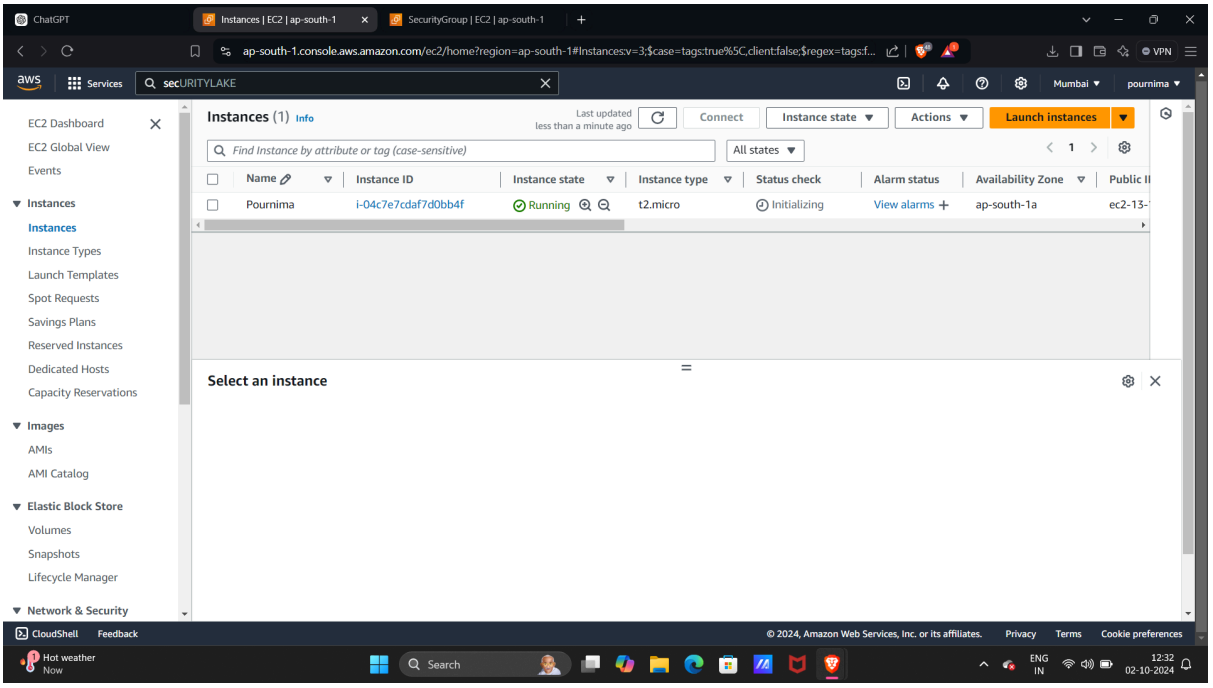

Step 3: Connect to the Instance using SSH

Connect to the instance using SSH from your Windows terminal.

“ssh -i "path/to/your/pem/file" ec2-user@instance-ip-address”

Step 4: Update the Instance

Update the instance to ensure you have the latest packages

“sudo yum update -y”

Step 5: Install the HTTP Server

Install the HTTP server (Apache) on the instance.

“sudo yum install httpd -y”

Step 6: Create Directories for Each Website

Create directories for each website.

“sudo mkdir -p /var/www/web1 /var/www/web2 /var/www/web3”

Step 7: Create an index.html File in the Home Directory

Create an index.html file in the home directory.

“sudo nano index.htm”l

Step 8: Copy the index.html File to Each Website Directory

Copy the index.html file to each website directory.

“sudo cp -r ~/index.html /var/www/web1 && sudo cp -r ~/index.html /var/www/web2 && sudo cp -r ~/index.html /var/www/web3”

Step 9: Change Ownership of the Website Directories

Change ownership of the website directories to the Apache user.

sudo chown -R apache:apache /var/www/web1 /var/www/web2 /var/www/web3

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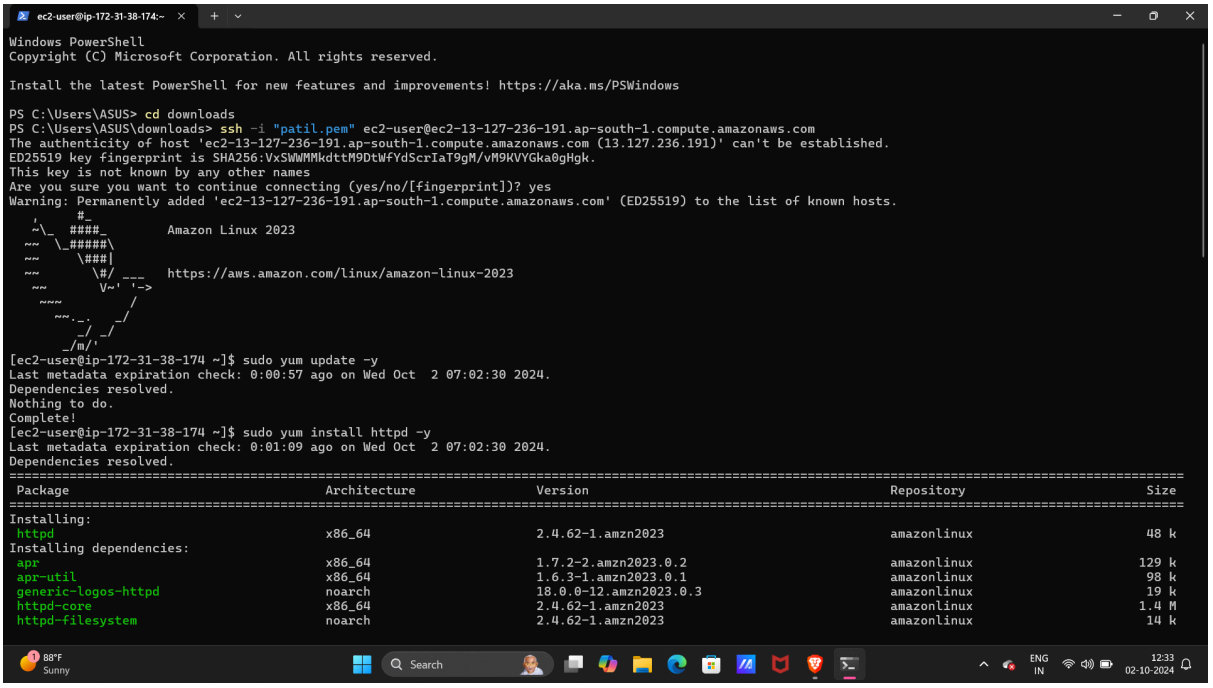

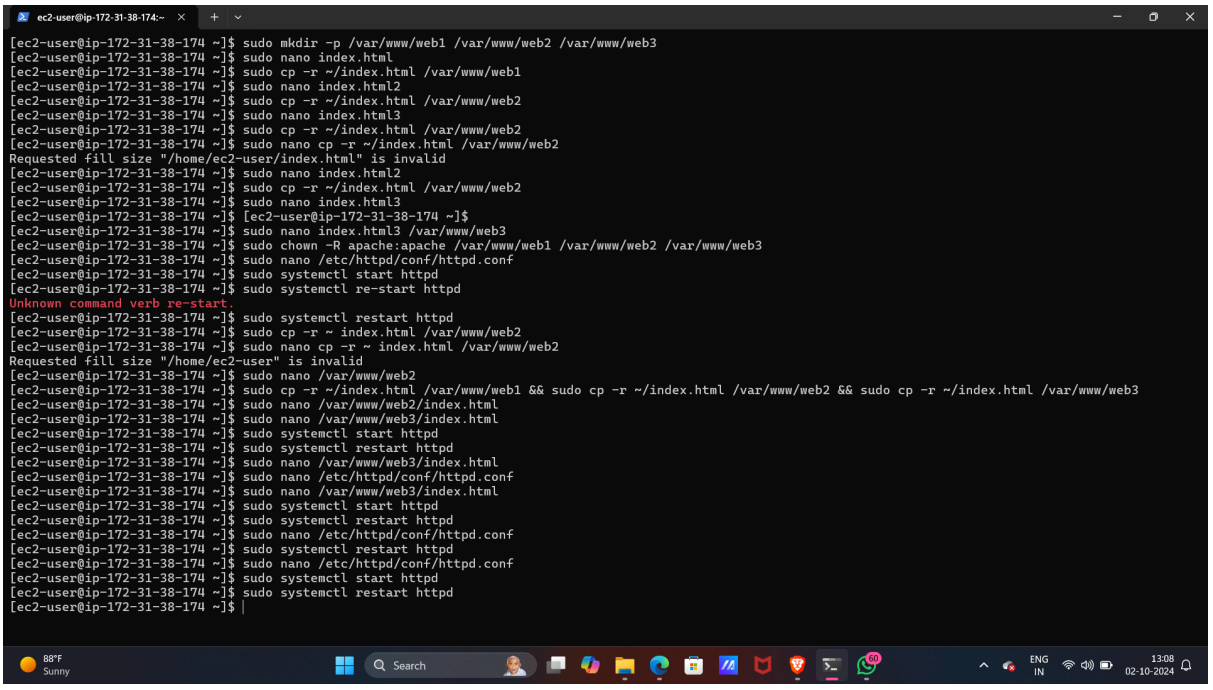

tep 10: Configure the HTTP Server

Configure the HTTP server by editing the httpd.conf file.

“sudo nano /etc/httpd/conf/httpd.conf”

Add the following content to the file:

Listen 85
Listen 86
Listen 88

```
“<VirtualHost *:81>
    DocumentRoot /var/www/web1
</VirtualHost>

<VirtualHost *:82>
    DocumentRoot /var/www/web2
</VirtualHost>

<VirtualHost *:83>
    DocumentRoot /var/www/web3
</VirtualHost>”
```

Step 11: Start the httpd server

“sudo systemctl start httpd”

Step 12: Configure the DNS Settings

Configure the DNS settings to point to the instance IP address.

DNS Settings

Note: Replace the ServerName directives with your own domain names or IP addresses.

Step 13: Restart the HTTP server

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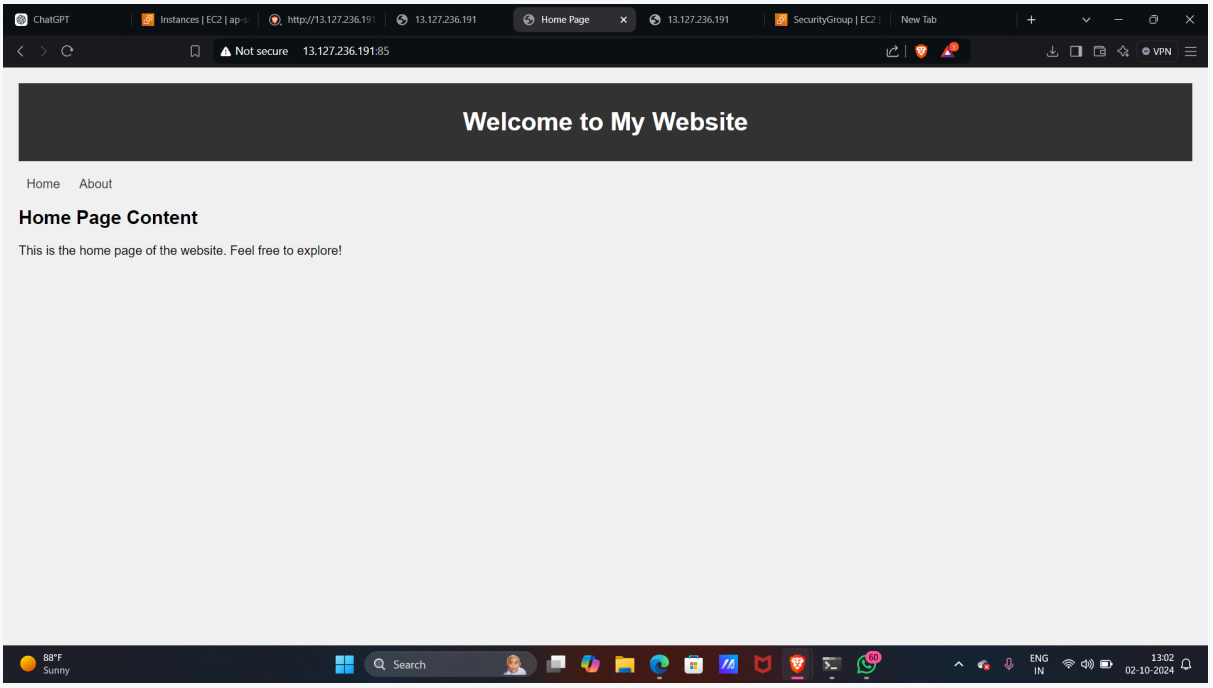

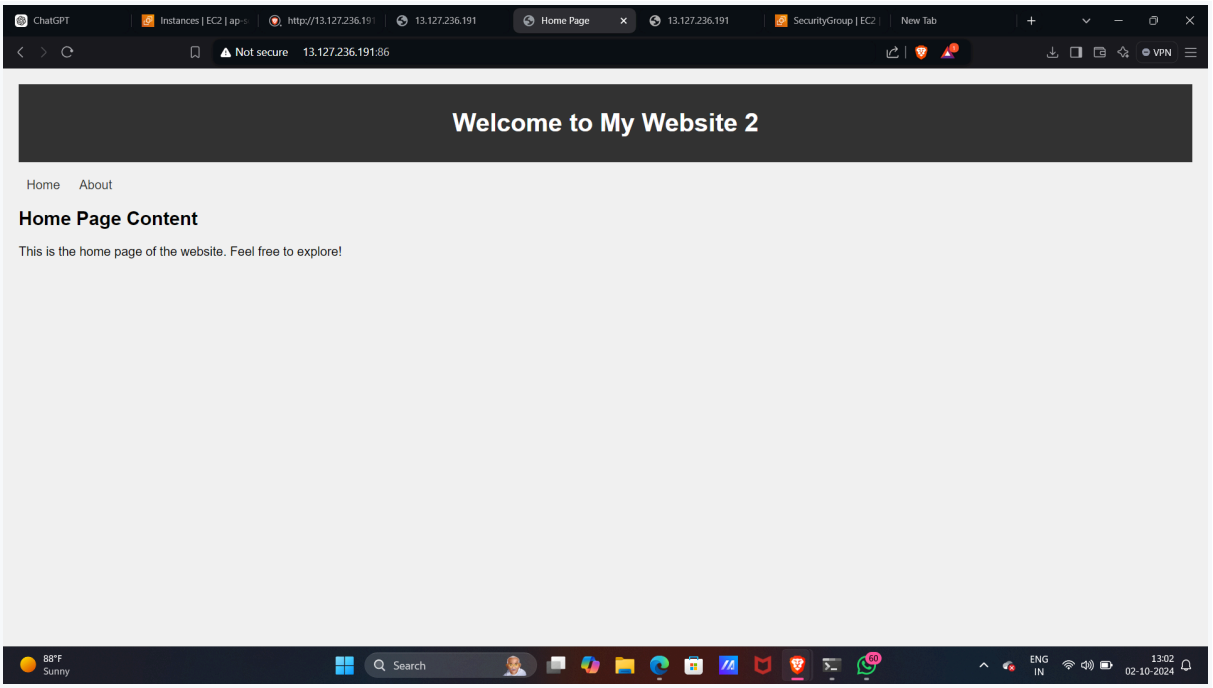

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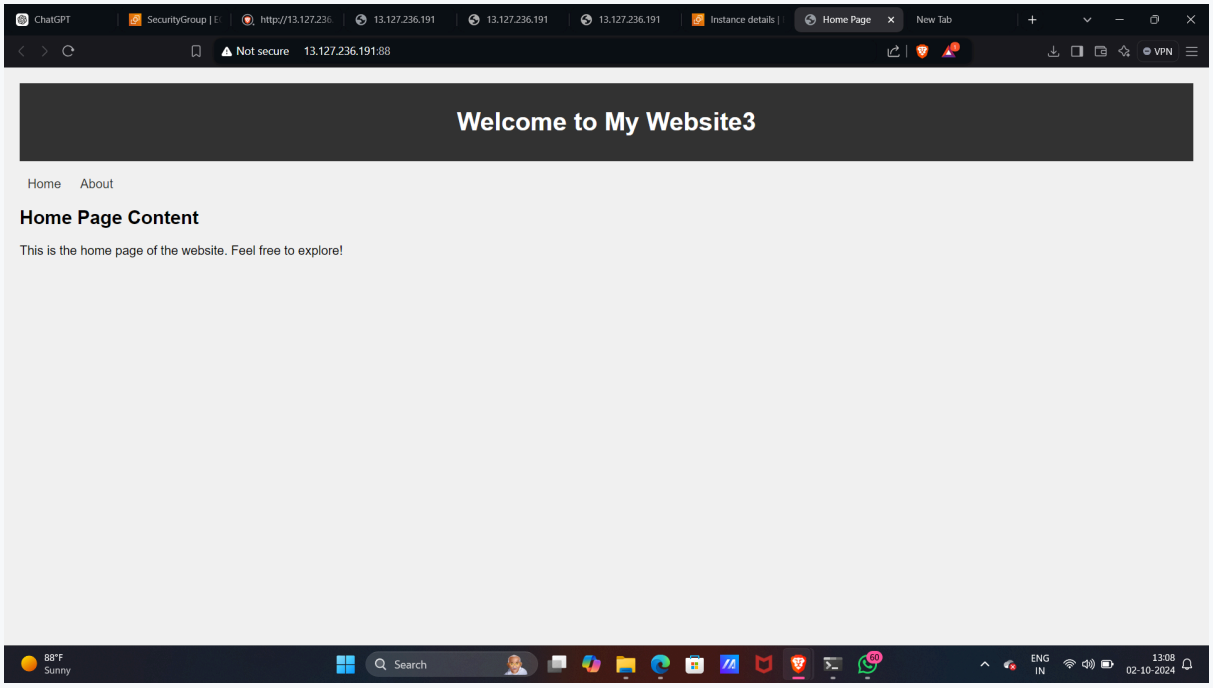

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