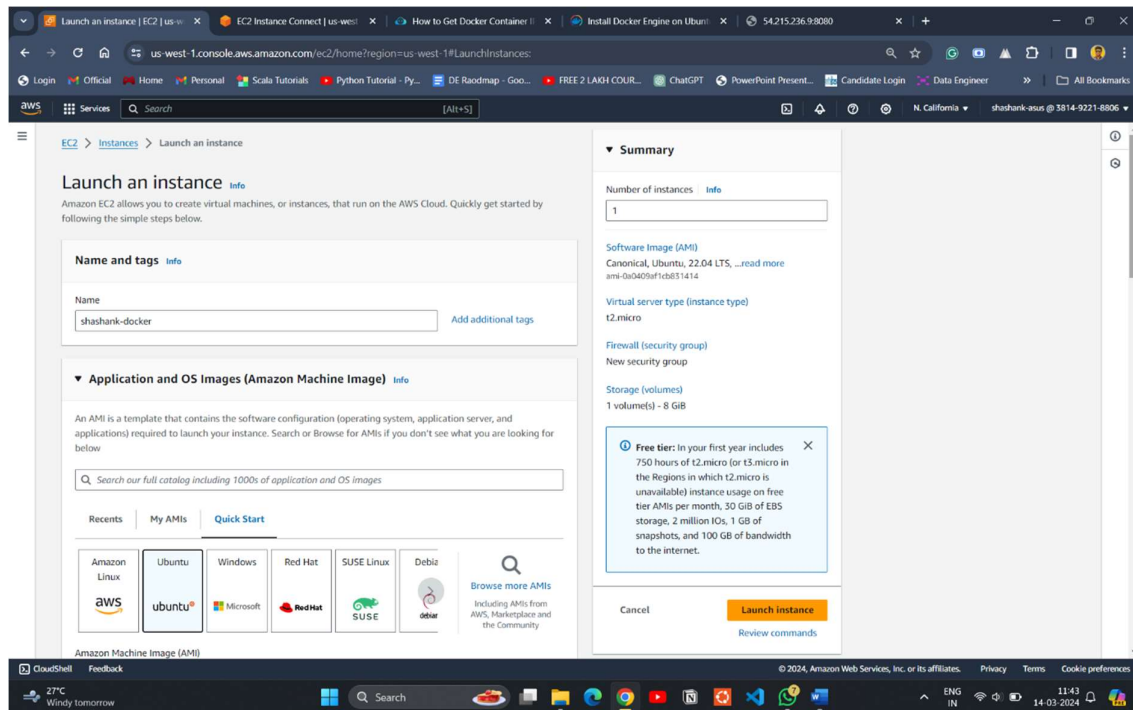


## Task

### Hosting nginx via docker container

Name – Shashank Sharma

1. Create EC2 instance and use ubuntu image also add port in instance security group.



2. Launch EC2 instance and install docker in it using below link.  
Link - <https://docs.docker.com/engine/install/ubuntu/>
3. After installing docker use below commands to hosting nginx.

```
sudo -i
```

```
systemctl start docker
```

```
docker run -d nginx
```

```
docker ps
```

```
root@ip-172-31-7-104:~# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
589a69e17a91	nginx	"/docker-entrypoint..."	3 minutes ago	Up 3 minutes	80/tcp	intelligent_kirch

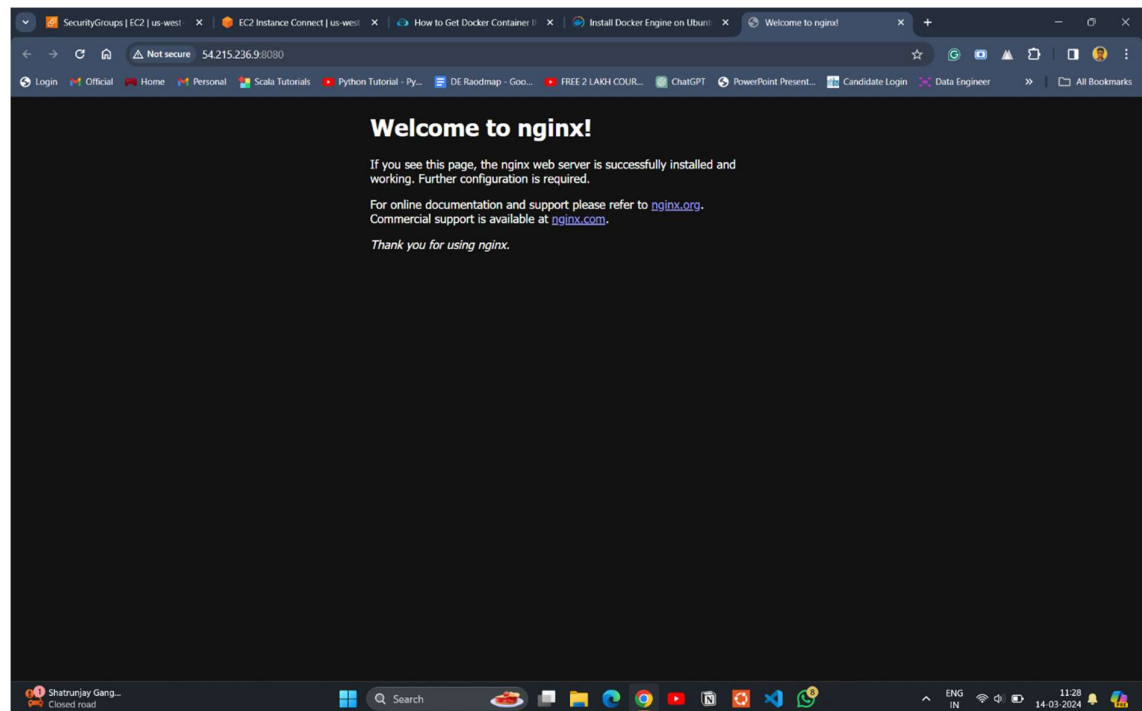
4. Do port mapping to connect your host server and container, use below command.

Docker run -d -p 8080:80 nginx

```
root@ip-172-31-7-104:~# docker run -d -p 8080:80 nginx
2f06f5a8220ad7c74a9b87bb4b3371ee1f560e22c0662209f3e55ec698564ddc
root@ip-172-31-7-104:~# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
2f06f5a8220a	nginx	"/docker-entrypoint..."	About a minute ago	Up About a minute	0.0.0.0:8080->80/tcp, :::8080->80/tcp	jovial_tesla
589a69e17a91	nginx	"/docker-entrypoint..."	6 minutes ago	Up 6 minutes	80/tcp	intelligent_kirch

5. Go to the chrome and hit the public IP to show the nginx is running or not if its not running check user instance security group.



6. After hosting of nginx go into the container using below command.  
docker exec -it <container IP> bash or sh

```
root@ip-172-31-7-104:~# docker exec -it 2f0 bash
```

7. Go to the container and host index.html using below commands.

```
cd /usr/share/nginx/
```

```
ls
```

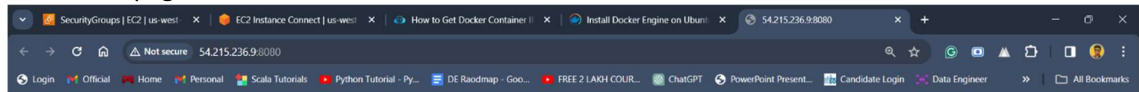
```
cd html/
```

```
ls
```

```
echo "<h1> This is home page of nginx </h1>" >index.html
```

```
root@ip-172-31-7-104:~# docker exec -it 2f0 bash
root@2f06f5a8220a:/# cd usr/share/nginx/
root@2f06f5a8220a:/usr/share/nginx# ls
html
root@2f06f5a8220a:/usr/share/nginx# cd html/
root@2f06f5a8220a:/usr/share/nginx/html# ls
50x.html  index.html
root@2f06f5a8220a:/usr/share/nginx/html# echo "<h1> This is home page of nginx </h1> " >index.html
```

8. Index.html page hosted.



# This is home page of nginx

