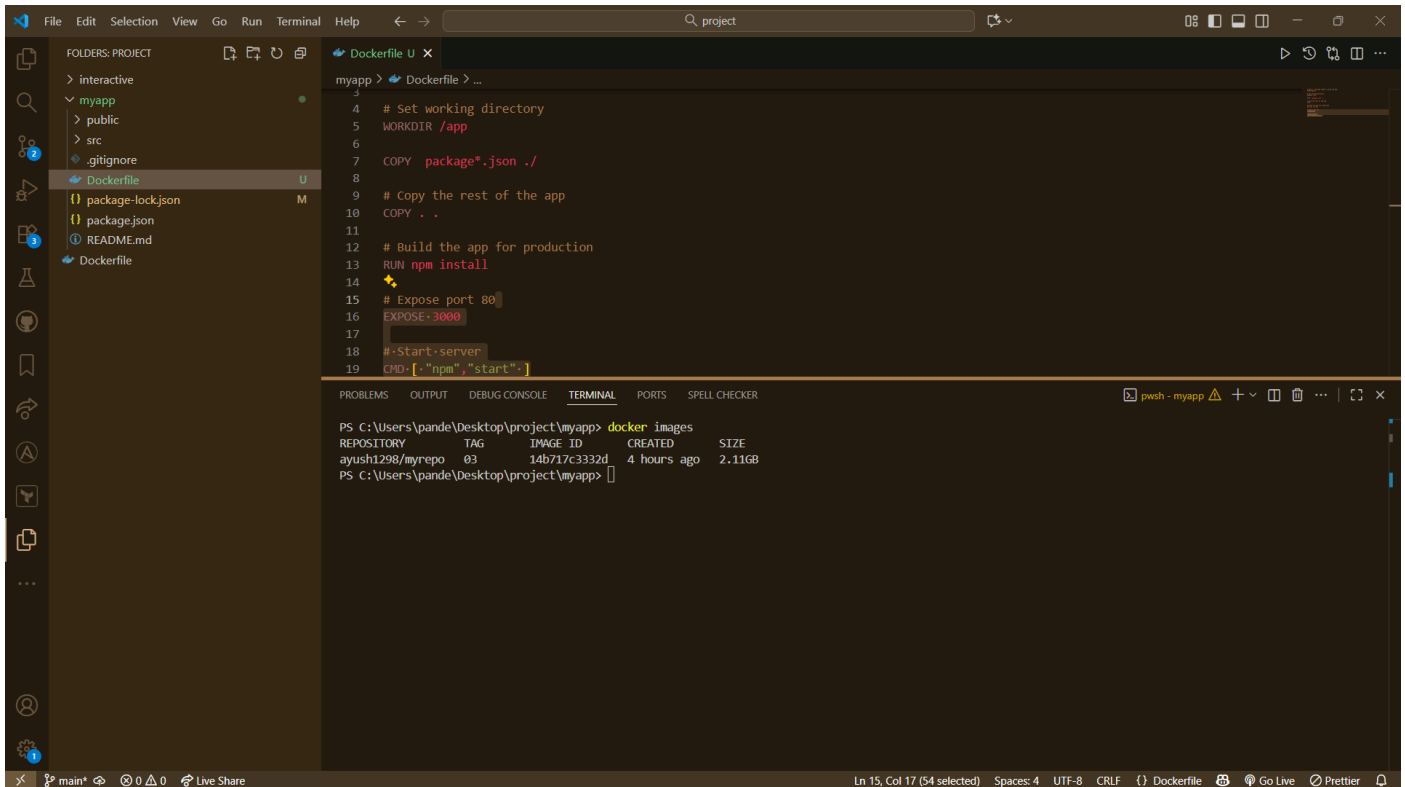# Steps to Pull/Push react app Image from Repository in Docker hub and Run it on Remote Ubuntu Server

⚙️ **Step-by-Step Setup**

1. **Create a Image of React app : -**
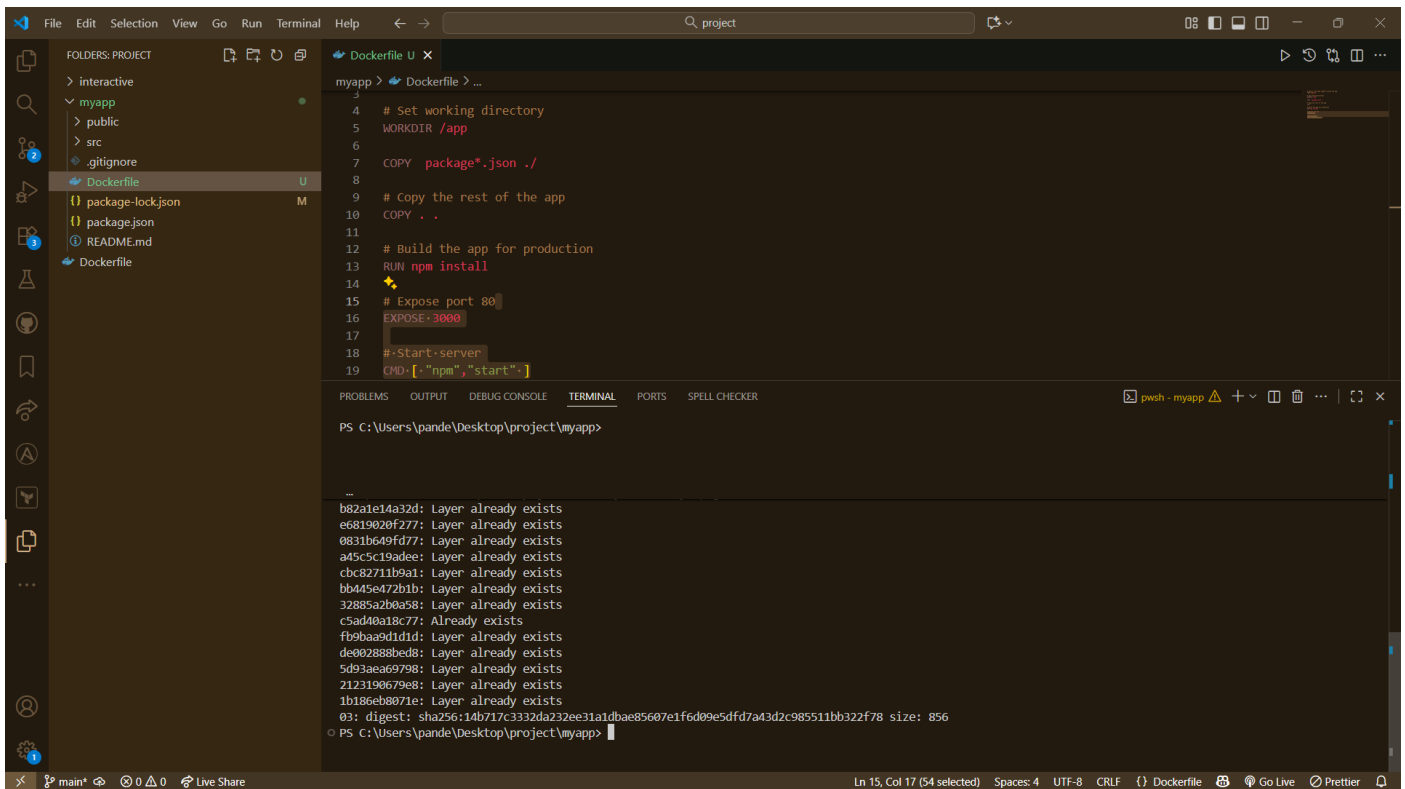
Docker Image: -

2. **Login on DockerHub And push this Image on DockerHub in your repo: -**

Docker Image Name: - ayush1298/myrepo:03
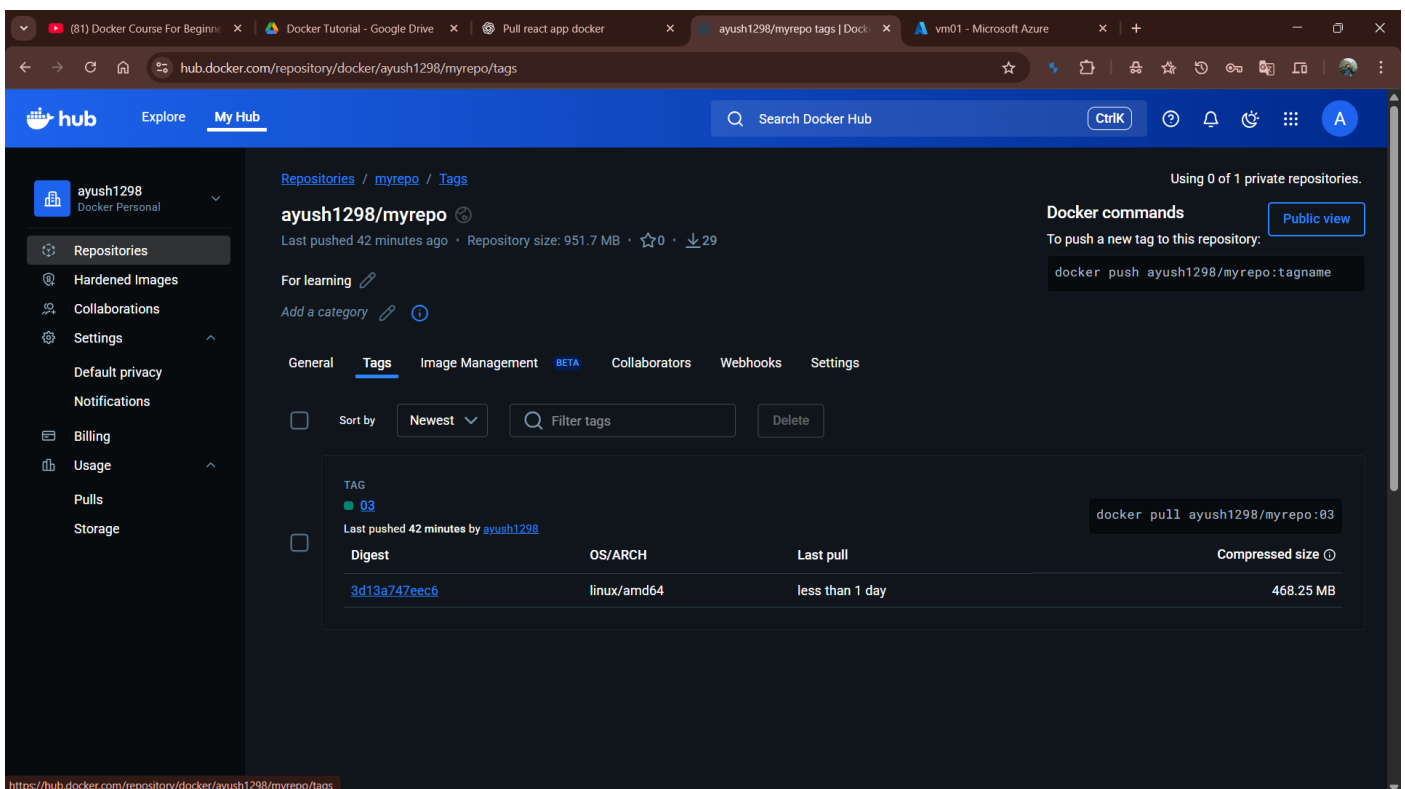
3. Create Ubuntu Server on Azure: -

Login: -

Steps to Install Docker in Remote Server: -

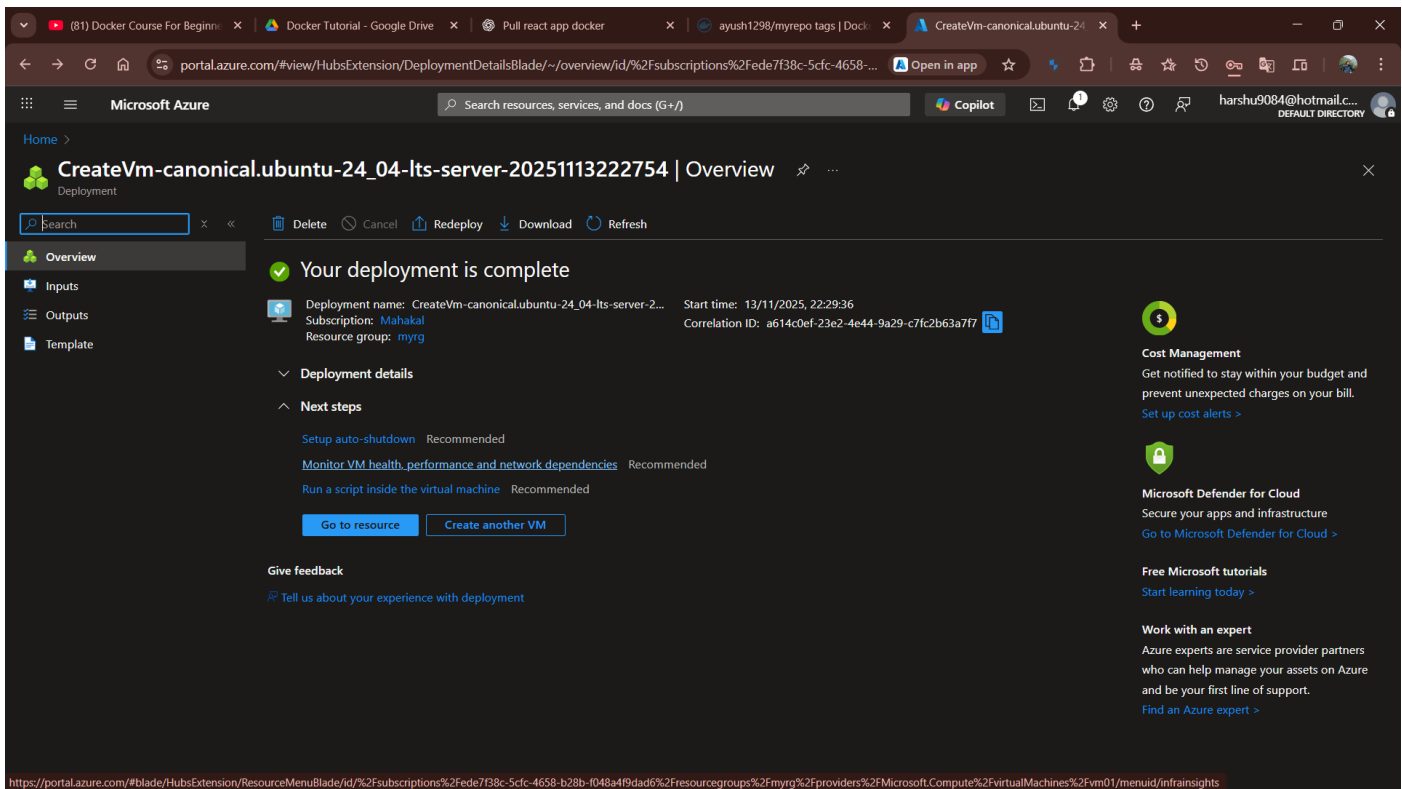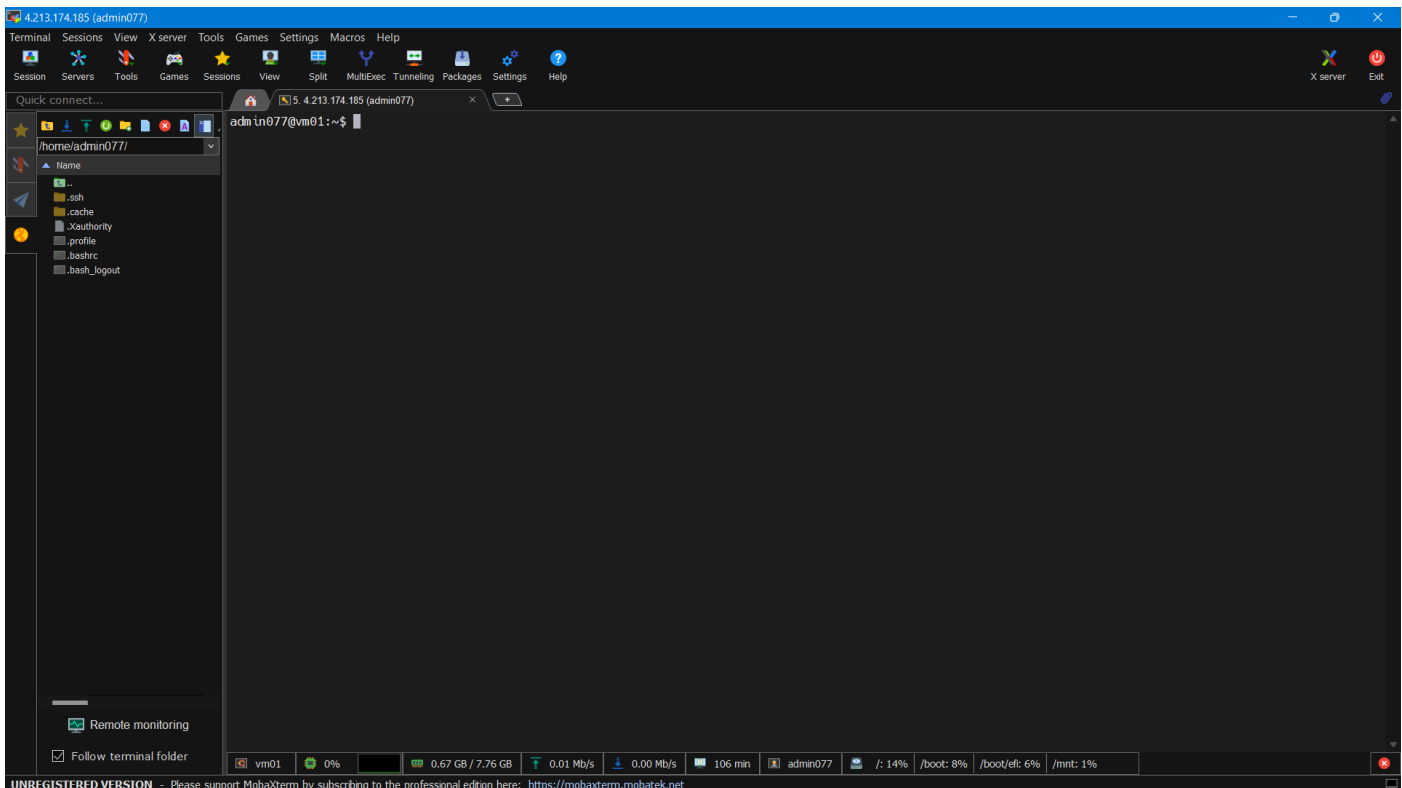## 2. Update the system

```bash
sudo apt update && sudo apt upgrade -y
```

3. Install Docker (if not already installed)

```bash
sudo apt install docker.io -y
```

Enable and start Docker:

```bash
sudo systemctl enable docker
sudo systemctl start docker
```

Verify installation:

```bash
docker --version
```

Enable and start Docker:

```bash
sudo systemctl enable docker
sudo systemctl start docker
```

Verify installation:

```bash
docker --version
```

4. Login to Docker Hub

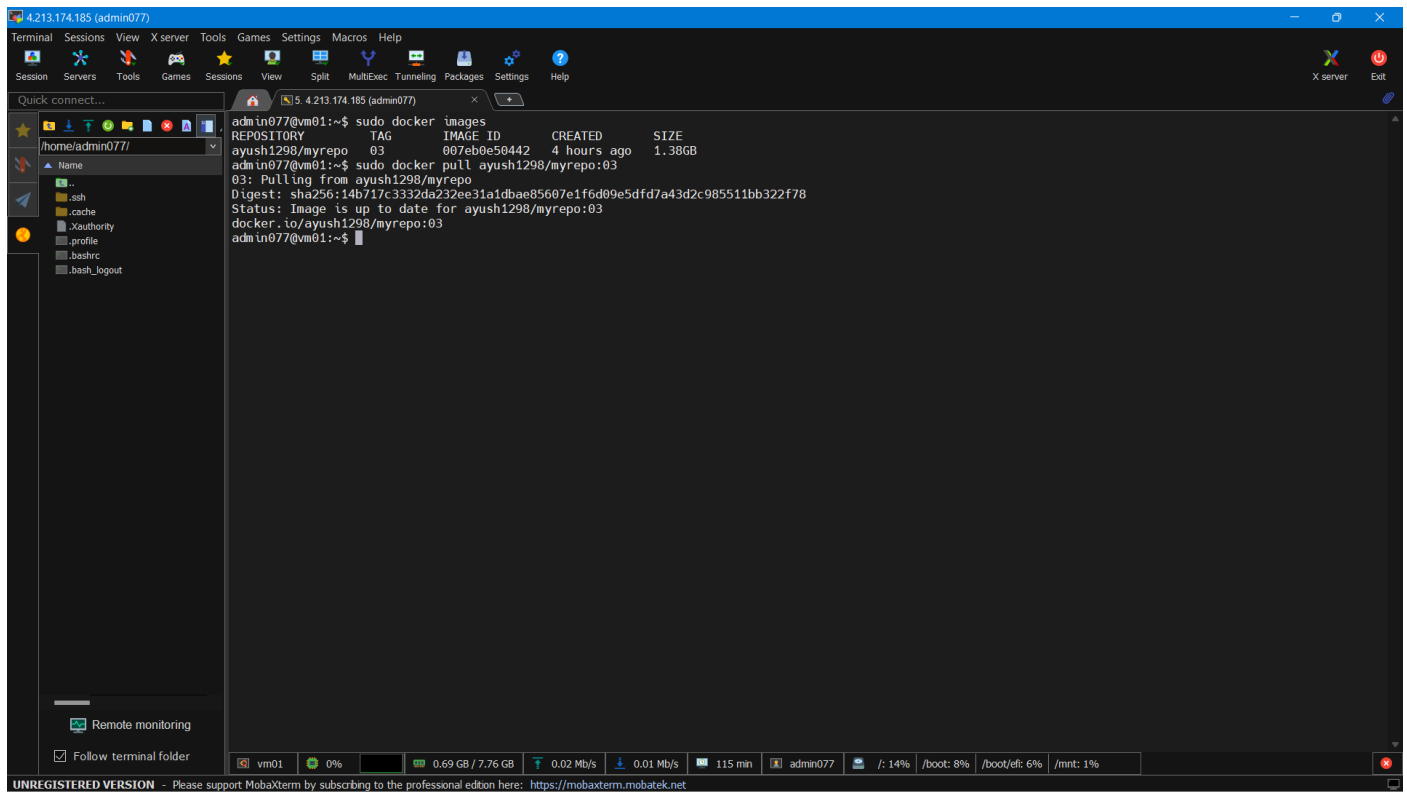If your image is private, login with your credentials:

```bash
sudo docker login
```

(Enter your Docker Hub username and password or token)

If it is a public image, you can skip this step.

4. **Pull your React app image from Docker Hub: -**

Command: - sudo docker pull ayush1298/myrepo:03

```
admin077@vm01:~$ sudo docker images
REPOSITORY        TAG       IMAGE ID        CREATED       SIZE
ayush1298/myrepo  03        007eb0e50442    4 hours ago   1.38GB
admin077@vm01:~$ sudo docker pull ayush1298/myrepo:03
03: Pulling from ayush1298/myrepo
Digest: sha256:14b717c3332da232ee31a1dbae85607e1f6d09e5dfd7a43d2c985511bb322f78
Status: Image is up to date for ayush1298/myrepo:03
docker.io/ayush1298/myrepo:03
admin077@vm01:~$
```

5. Run your React app container

Run the container and map ports:

Command: - sudo docker run -d -p 80:3000 ayush1298/myrepo:03

6. Verify the container is running

Command: - sudo docker ps

You should see your container listed.

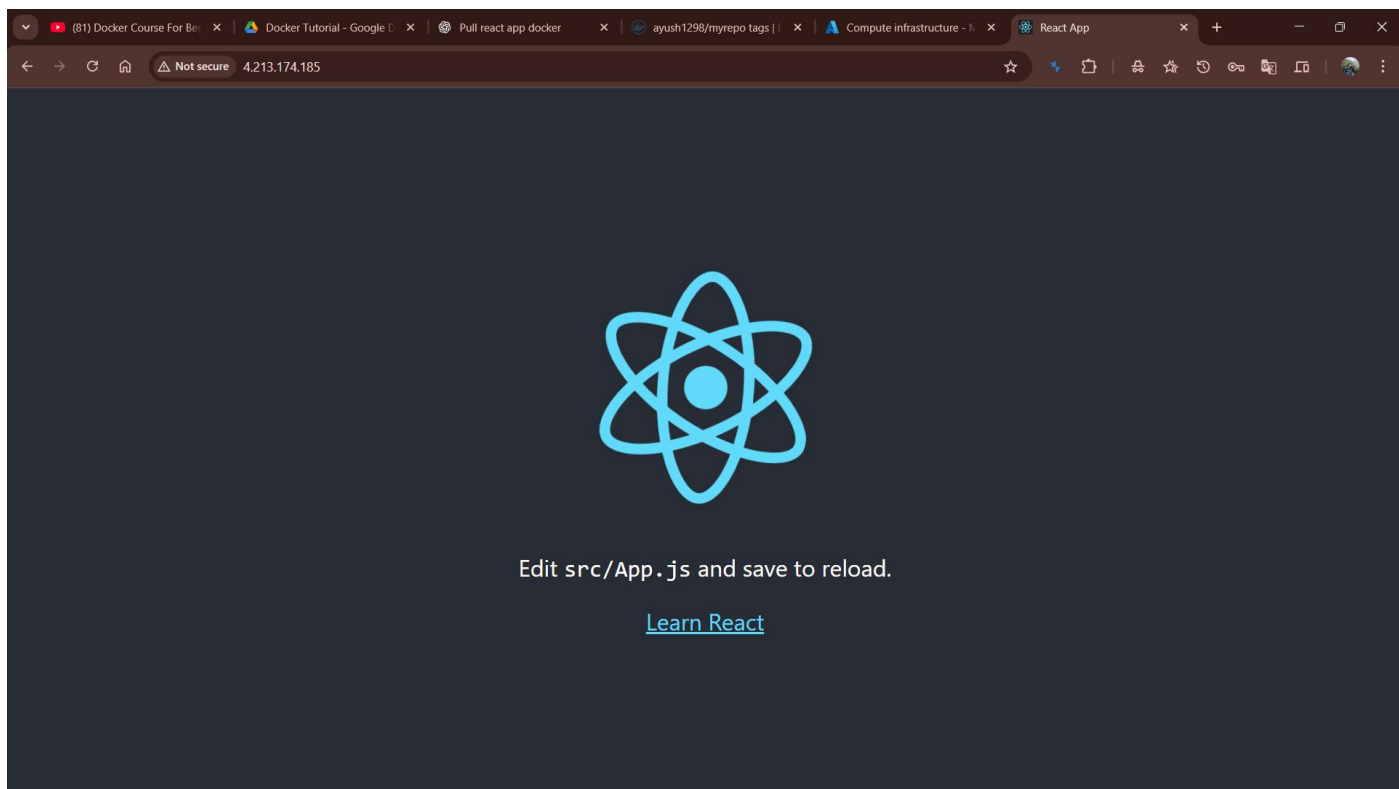### 7. Open port 80 in Azure (important)

Go to your **Azure Portal → Your VM → Networking → Inbound Port Rules**
Add a rule to **Allow TCP on port 80**.

8. Test the app in your browser

http://<your-vm-public-ip>

Output: -

Edit `src/App.js` and save to reload.

[Learn React](#)

React app running 🎉