## Select a high performance Instance (at least 16GB Memory)

Select r4.2xlarge preferably

## Ensure you allow tcp traffic for port 80, 443, 23 in instance security group Use Volume storage of at least 20GB

## - Copy files to ec2 instance -

scp -i "./key/deepseek.pem" C:\Users\HP\Documents\cloudspeed\ec2\deepseek-project\\* ec2-user@18.222.59.63:/home/ec2-user/

## - Connect to your EC2 instance -

ssh -i "./key/deepseek.pem" [ec2-user@18.222.59.63](mailto:ec2-user@18.222.59.63)

- Connect your domain to your instance IP and Confirm domain Propagation -  
nslookup superearner.online  
  
- Install Docker -  
sudo yum update -y

sudo yum install -y docker  
  
sudo systemctl start docker

sudo systemctl enable docker  
  
sudo usermod -aG docker ec2-user

sudo curl -L "https://github.com/docker/compose/releases/latest/download/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose

sudo chmod +x /usr/local/bin/docker-compose

docker-compose version  
  
sudo usermod -aG docker $USER  
  
newgrp docker

exit (log back in)

## - Start the Containers accordingly -

sudo docker-compose -f docker-compose-ol.yml up -d --build

sudo docker-compose -f docker-compose-tf.yml up -d --build

## - Confirm all containers are running -

docker ps

## - Test your API -

curl -X GET "https://superearner.online/"

curl -X POST "https://superearner.online/generate" -H "Content-Type: application/json" -d "{\"prompt\": \"say hi\", \"model\": \"deepseek-r1:7b\", \"stream\": false, \"max\_tokens\": 300, \"temperature\": 0.4}"

## - Start your streamlit app -

streamlit run app/app.py

## - Query your app -

hey

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