DevOps Intern Assignment

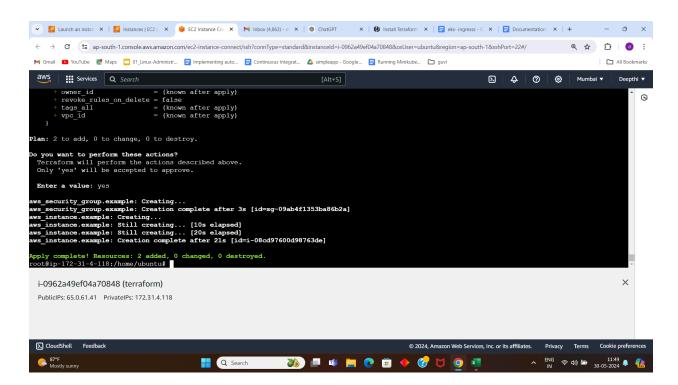
GITHUBREPO:https://github.com/DEEPTHI-92/Assignment.git

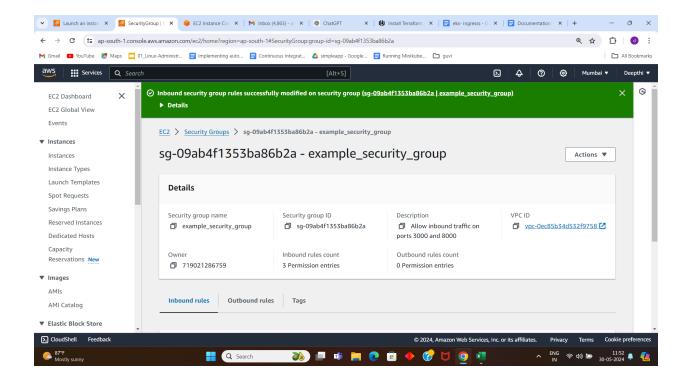
Infrastructure as Code (IaC):

• Use Terraform to automate the provisioning of infrastructure.

Created ec2 and security group using main.tf file

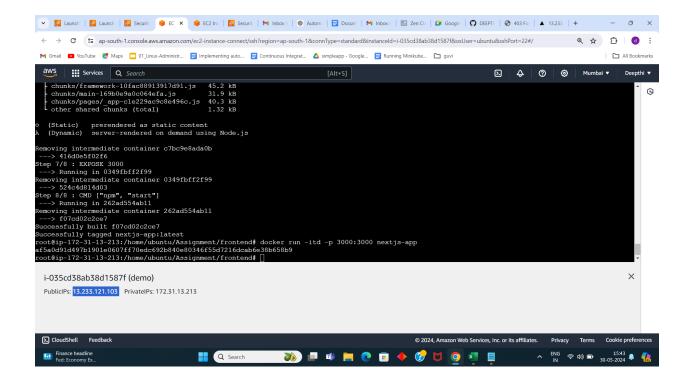
Written scripts to set up the environment required for both Next.js and Django applications.

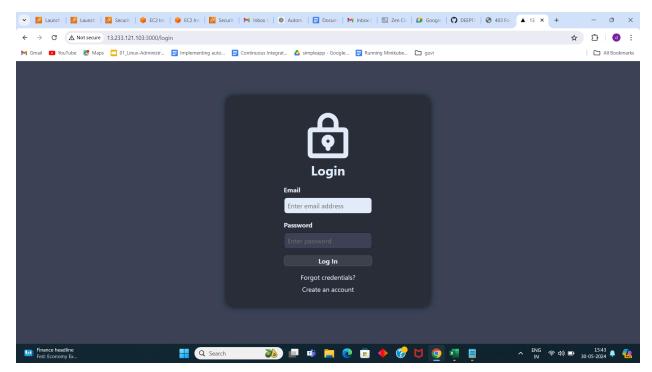




Next.js Deployment:Frontend

Commands used docker build -t nextjs-app . docker run -itd -p 3000:3000 nextjs-app

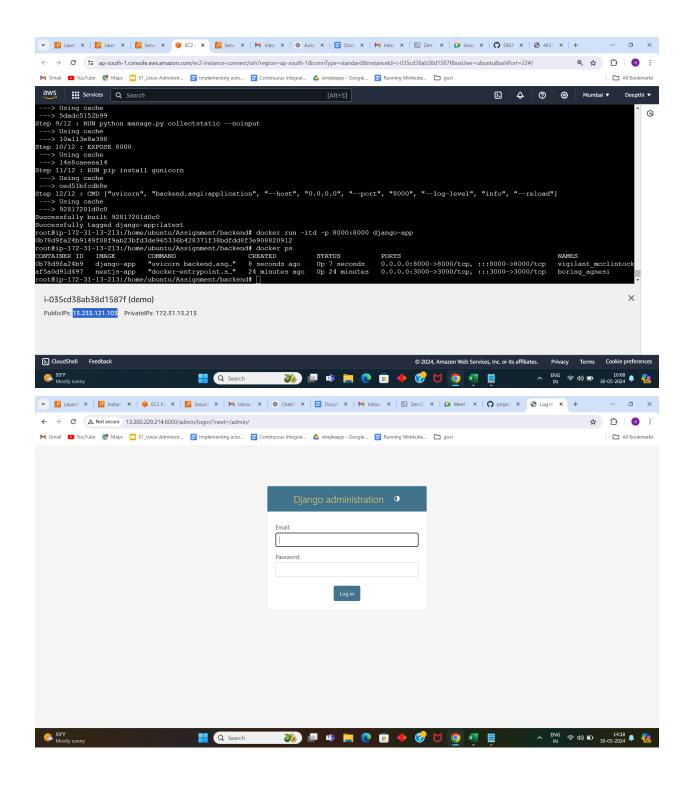




Django Deployment: Backend

Commands used

docker build -t django-app .
docker run -itd -p 8000:8000 django-app
Changed the settings.py and server.py file with the required hostid
Created django secretkey and added it in env.example file



CI/CD Pipeline:

Downloaded jenkins and configured it .added the script in github

