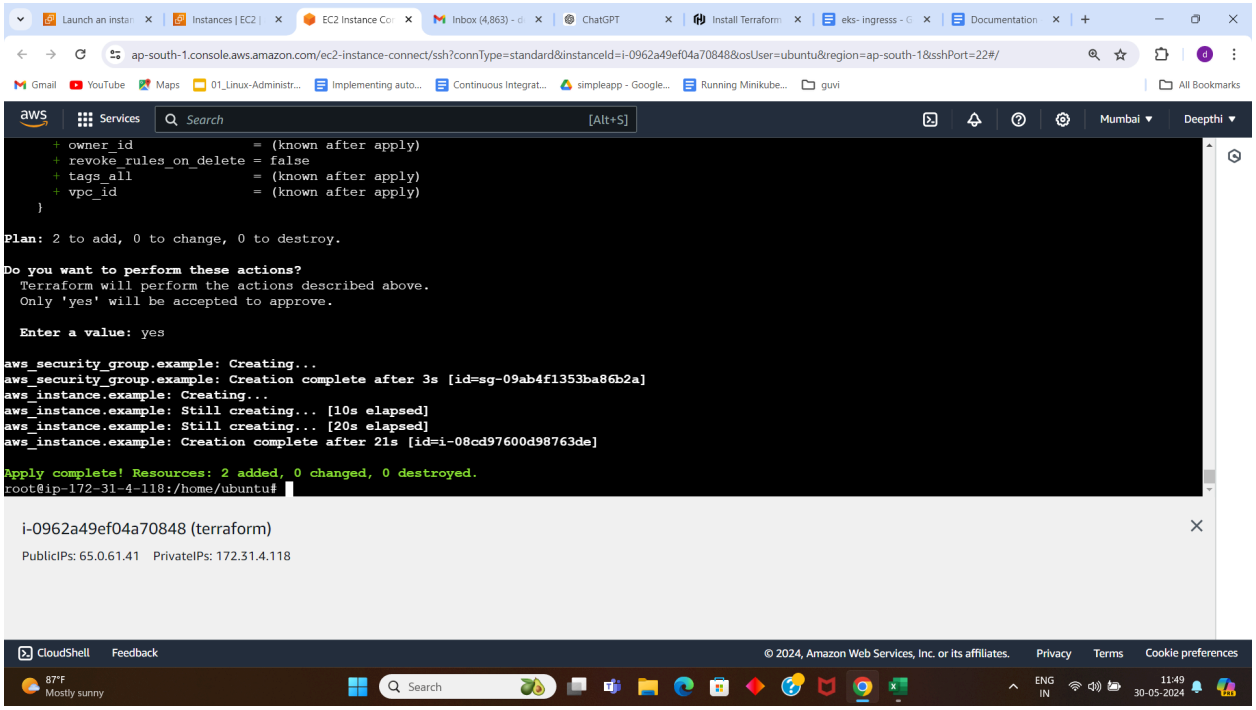
DevOps Intern Assignment

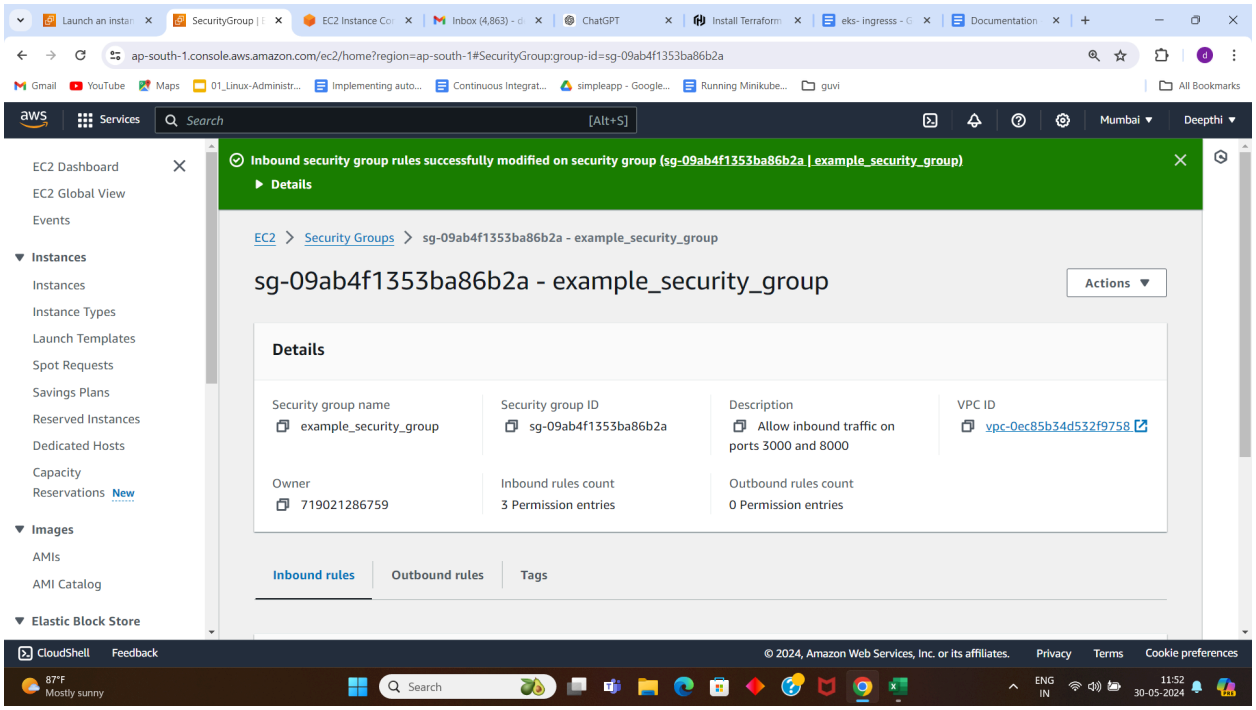
Infrastructure as Code (IaC):

- 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.



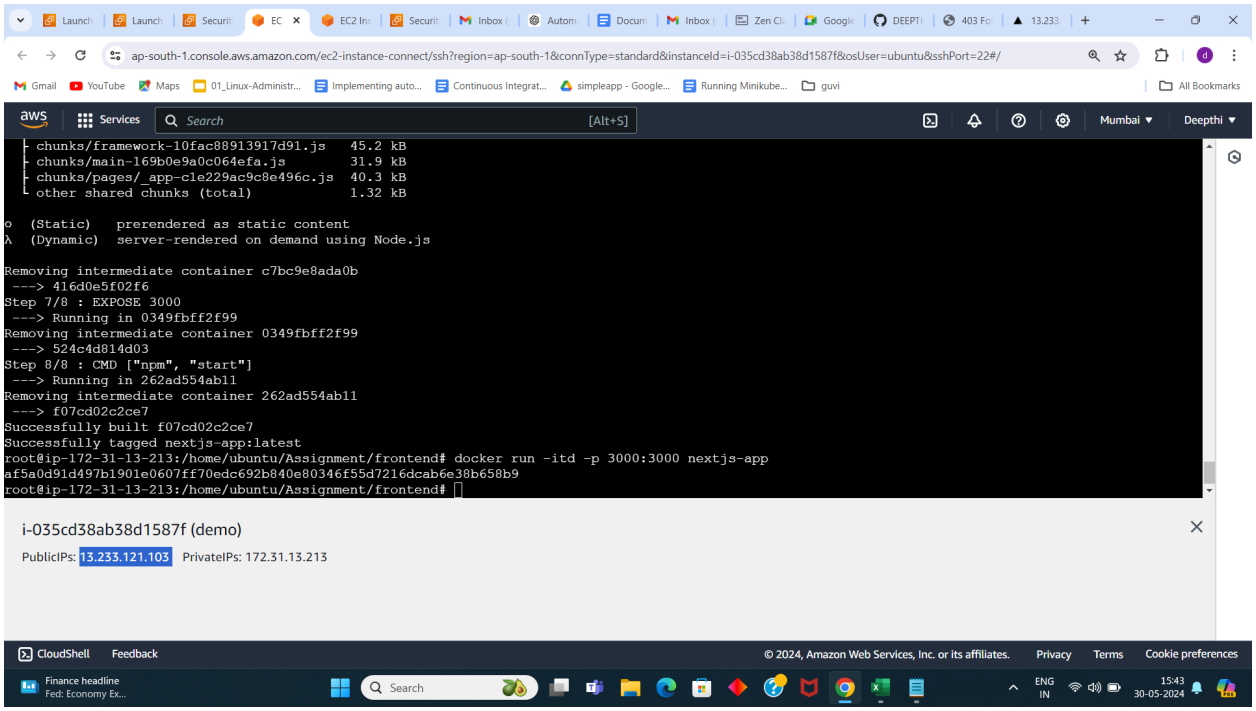


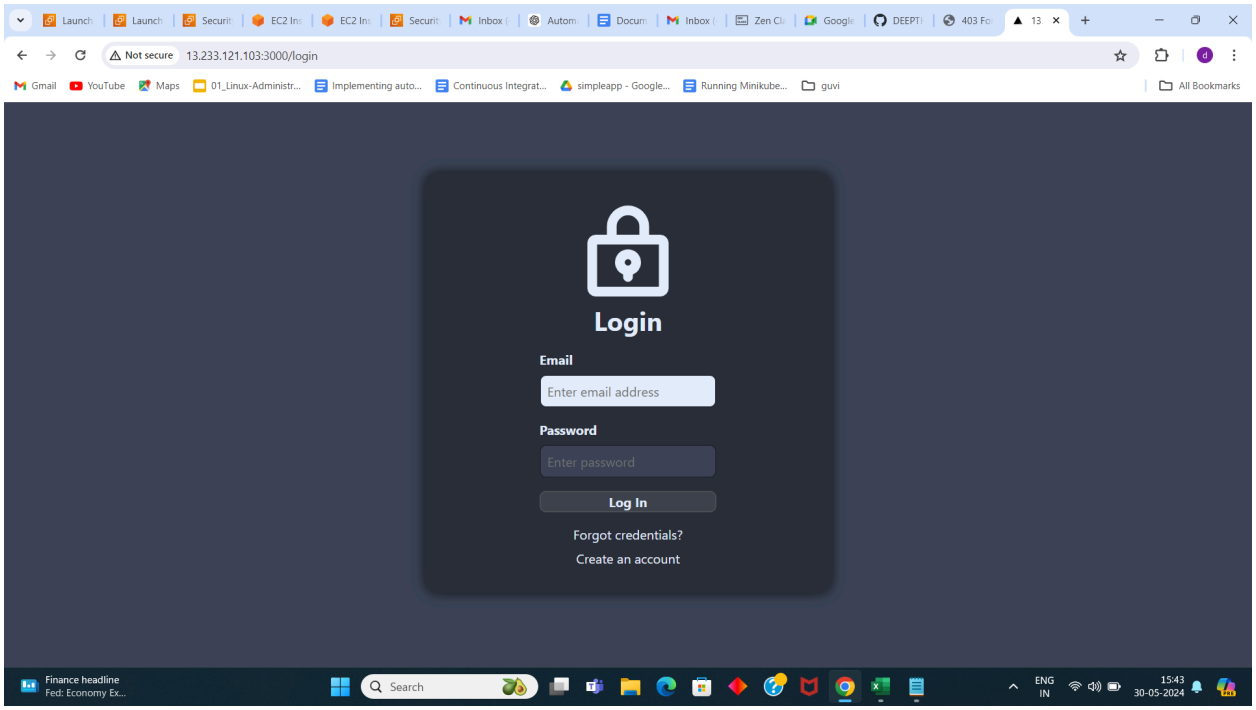
Next.js Deployment:Frontend

Commands used

docker build -t nextjs-app .

docker run -itd -p 3000:3000 nextjs-app

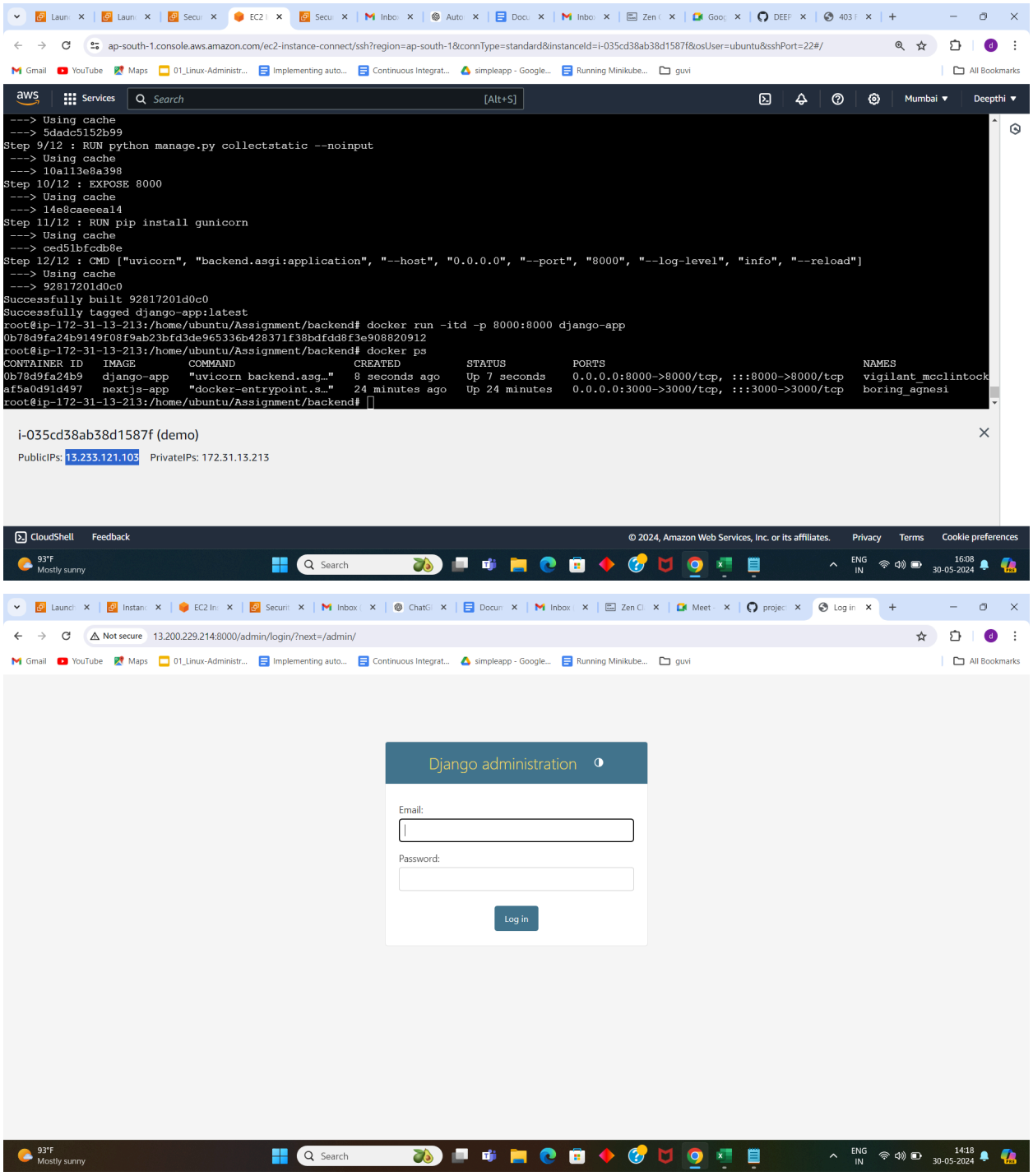




Django Deployment: Backend

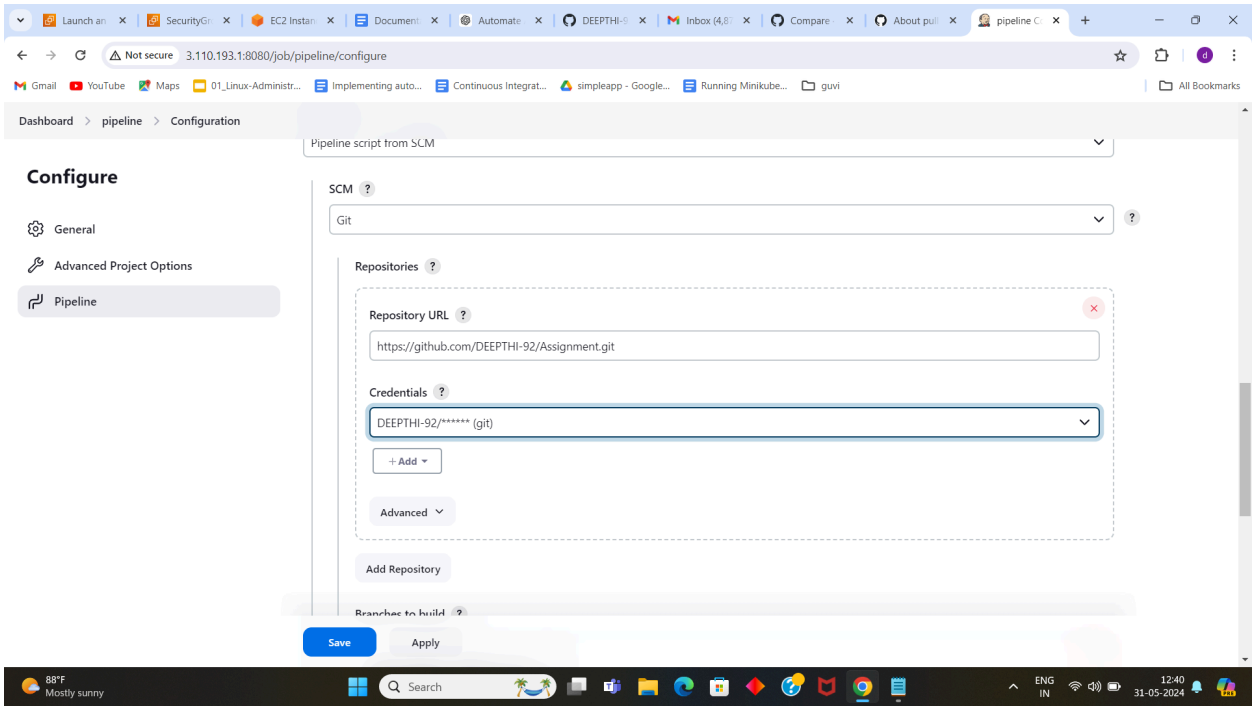
Commands used

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


Not secure 3.110.193.1:8080/job/pipeline/configure
Dashboard > pipeline > Configuration
Configure
General
Advanced Project Options
Pipeline
Pipeline script from SCM
SCM
Git
Repositories
Repository URL
https://github.com/DEEPTHI-92/Assignment.git
Credentials
DEEPTHI-92/****** (git)
+ Add
Advanced
Add Repository
Save
Apply
88°F
Mostly sunny
Search
ENG
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