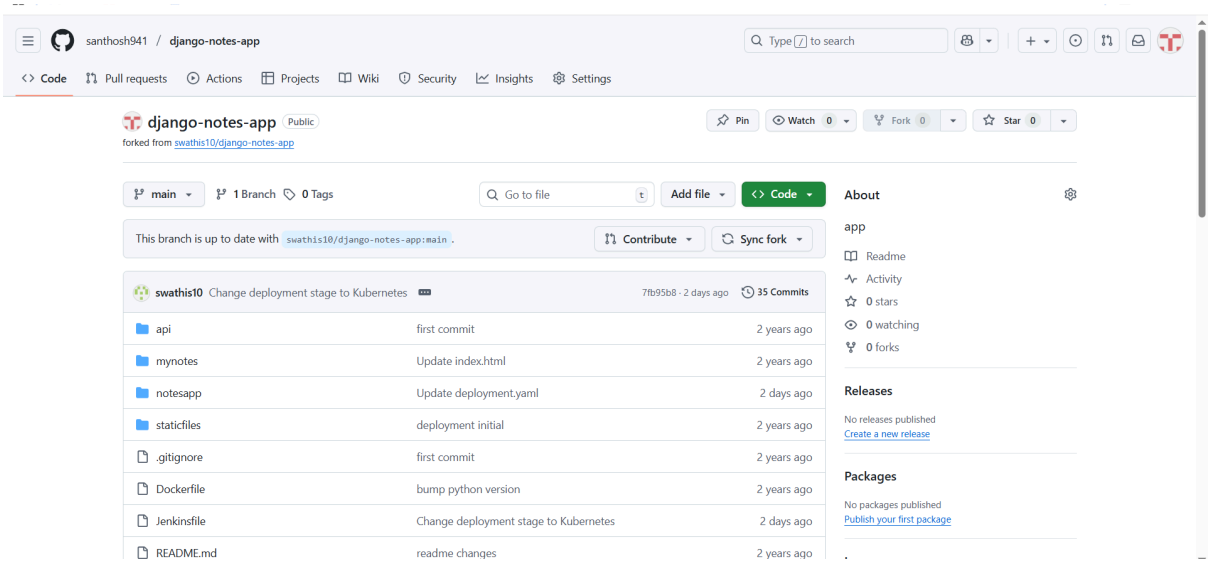
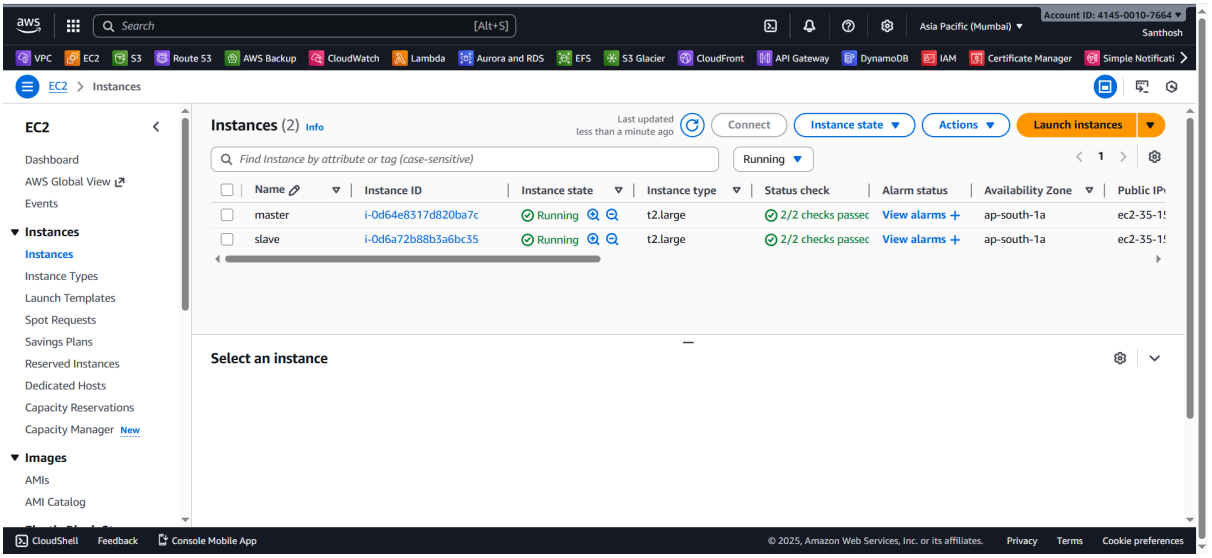
Devops Project

Automation of CI/CD pipeline for django web application using Aws,git,jenkins,docker,dockerhub,kubernetes

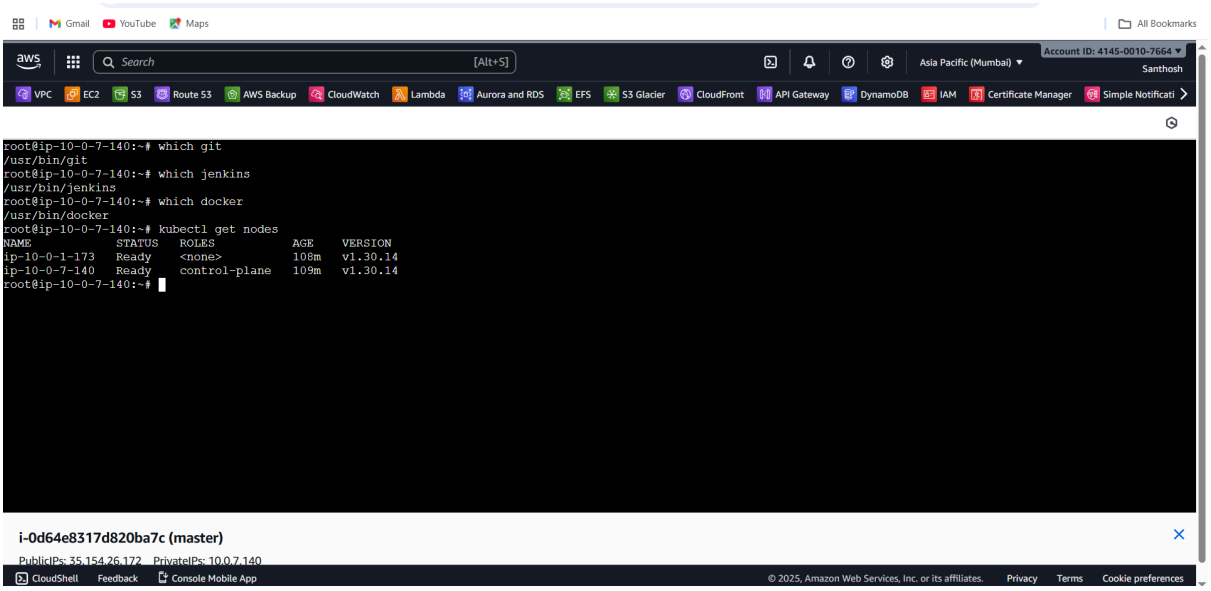
1. Github repository



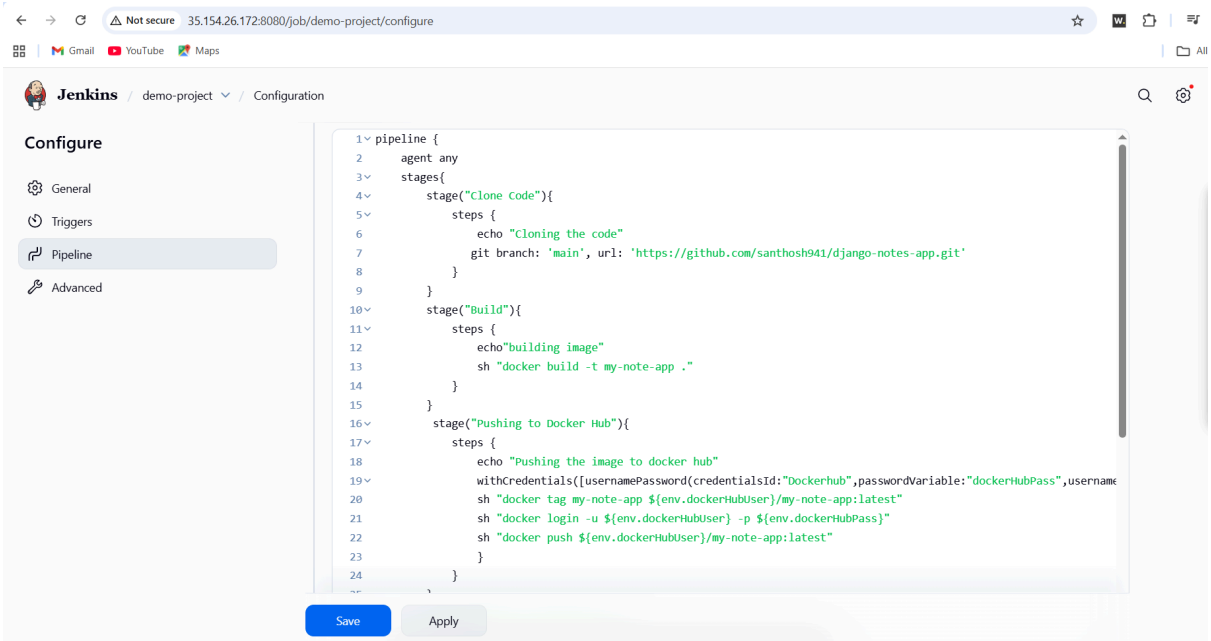
2. Launched 2 ubuntu EC2 virtual machines.



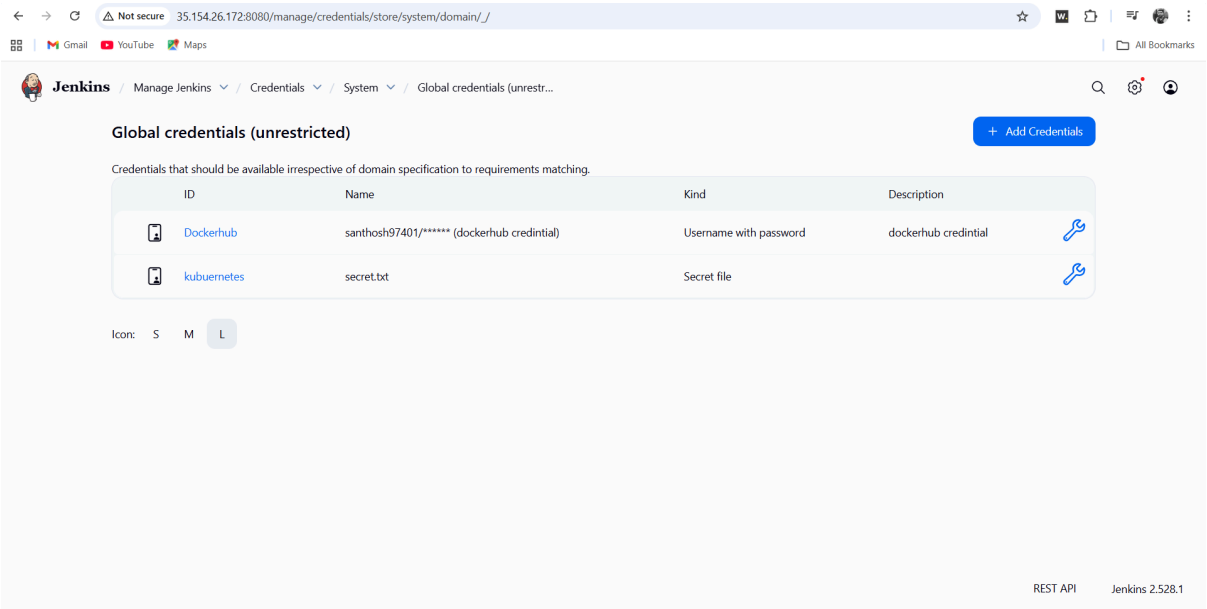
3.Installed all the required tools jenkins,Docker,Kubeadm.



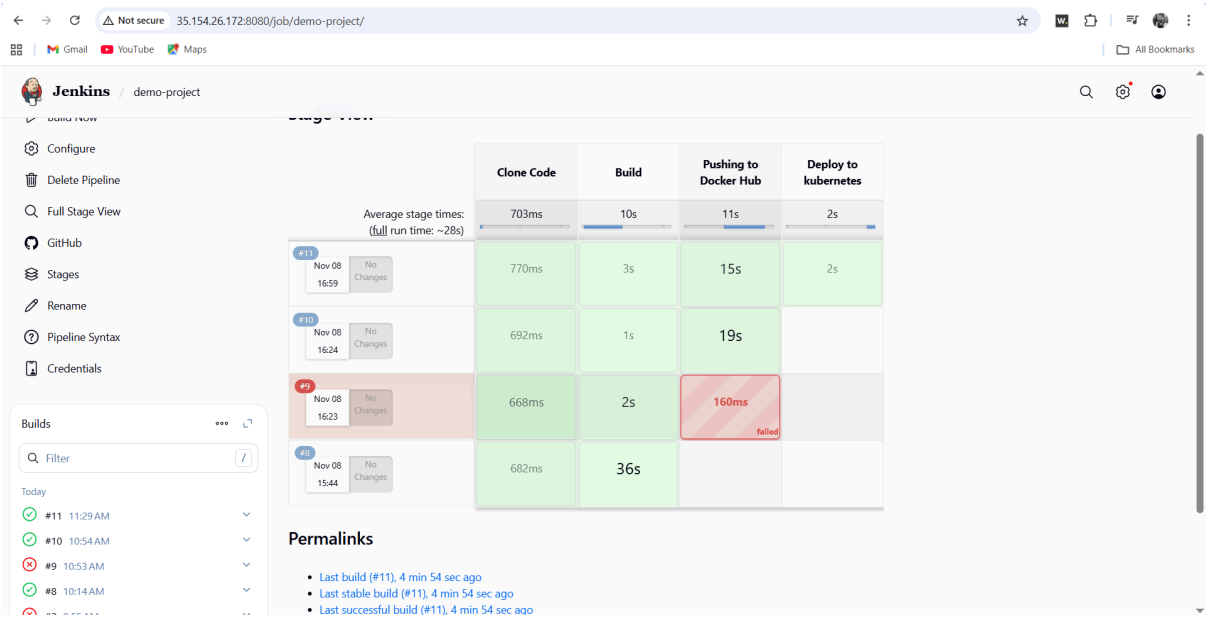
4.Accessed Jenkins Gui and created ci/cd pipeline.



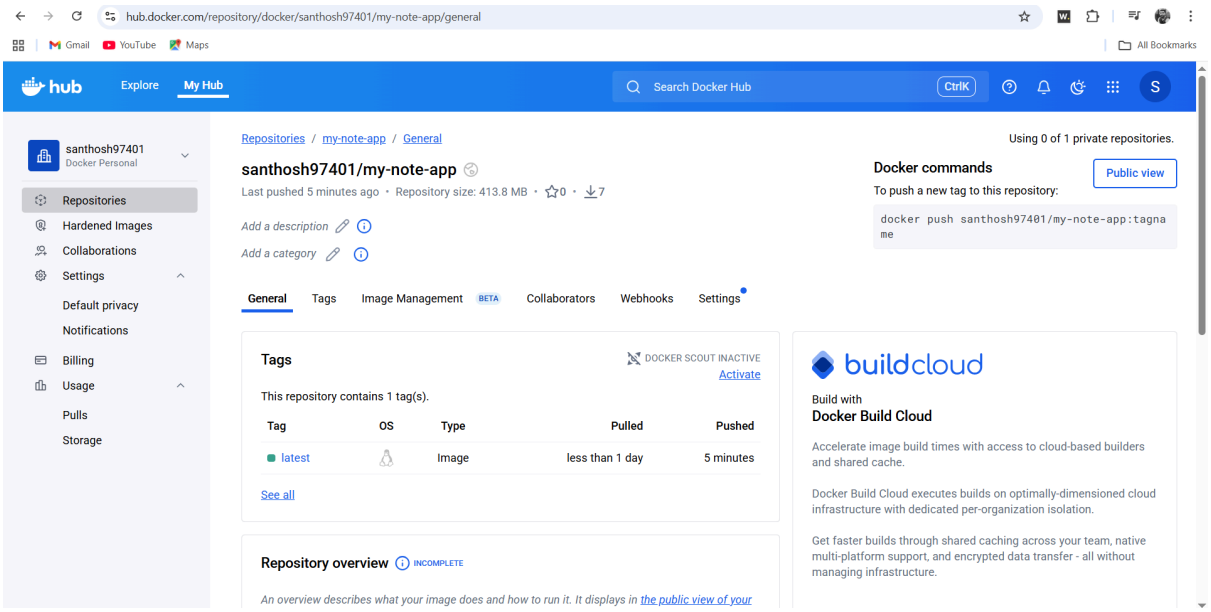
5.credentials for accessing docker hub and kubernetes.



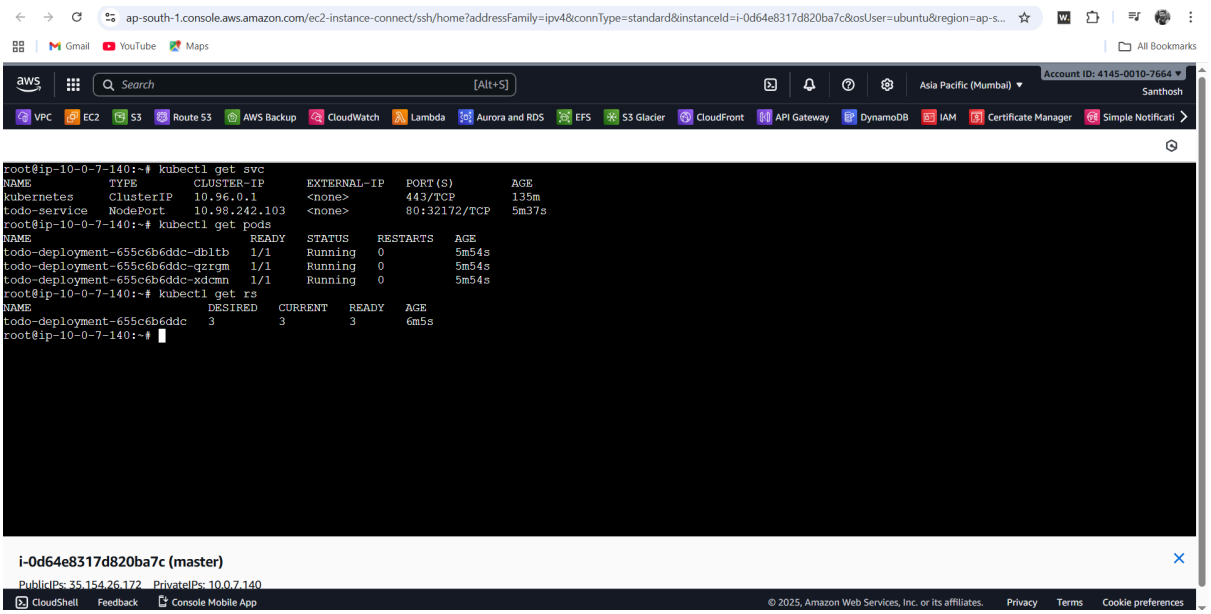
6. Installed stage view plugin and executed all the stages



7.Pushed docker image to dockerhub repository to deploy it .



8.Created kubernetes cluster with deployment controller and service with nodeport.



9.The application is live with passing the stages of pipelines.