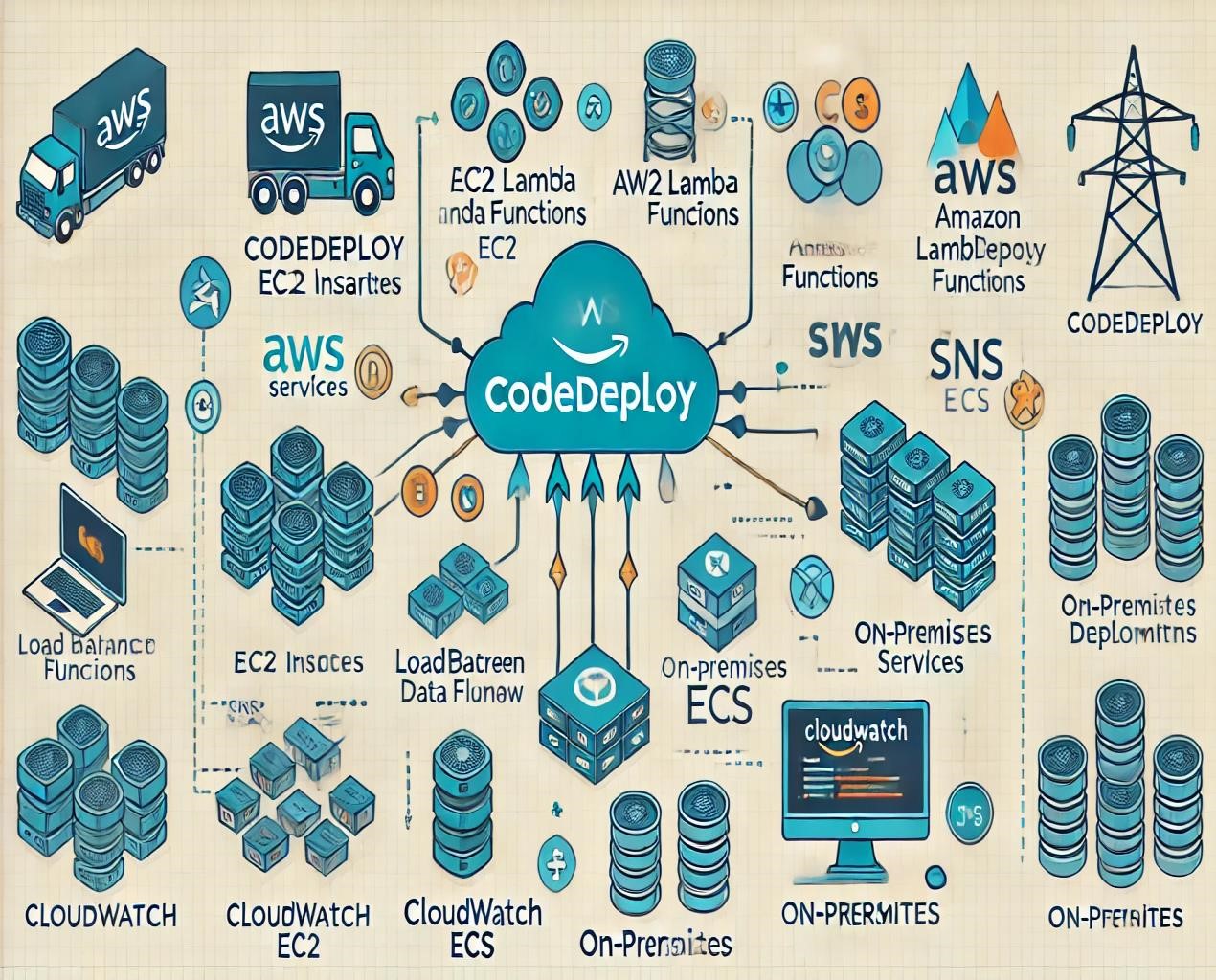
**AWS CODE DEPLOY**

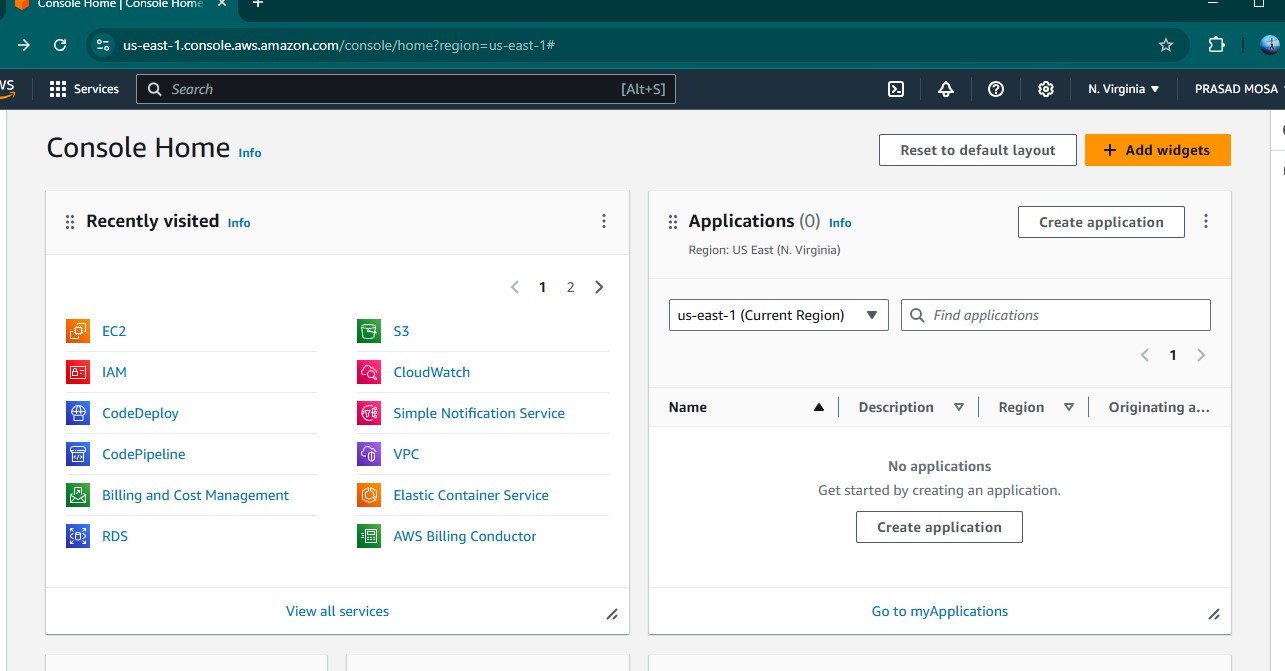
AWS Code Deploy is a fully managed service that automates application deployments to various AWS services, including Amazon ECS, Lambda, and EC2.

It Designed to simplify and streamline deployment processes, Cloud Deploy provides tools for setting up continuous delivery pipelines, tracking deployment progress, and managing rollbacks, all within an easy-to-use interface. This helps teams achieve consistent and reliable releases across multiple environments.

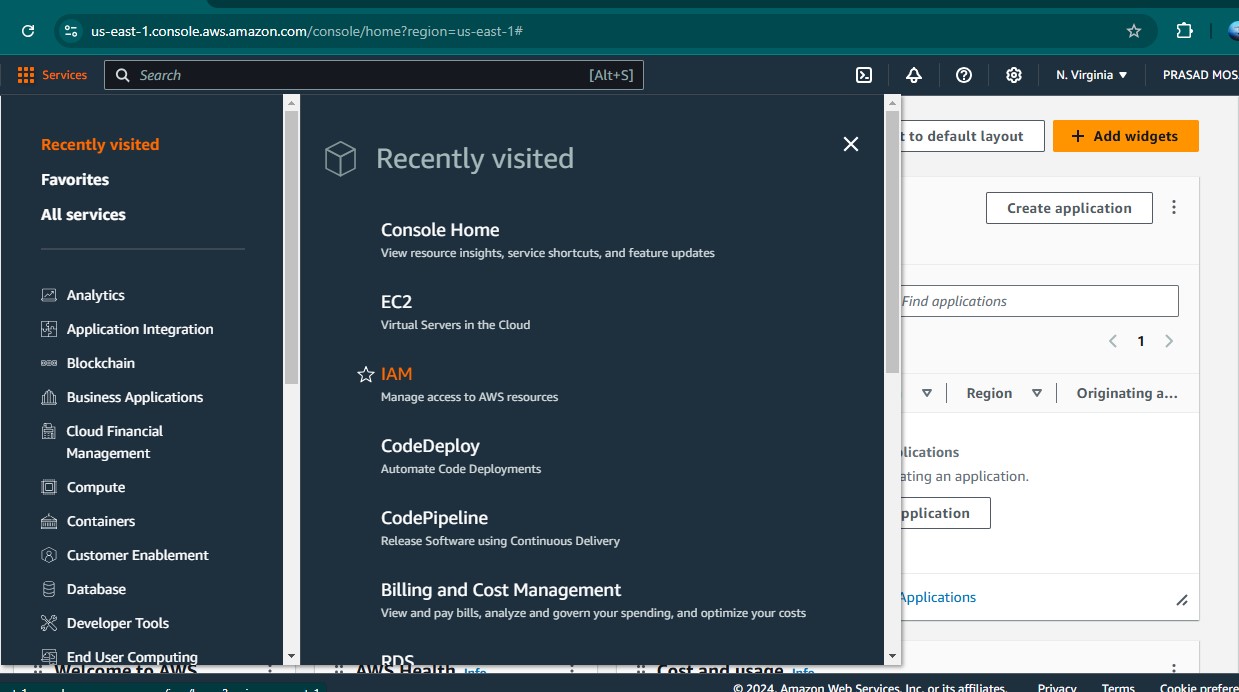
# ARCHITECTURE OF AWS CODE DEPLOY



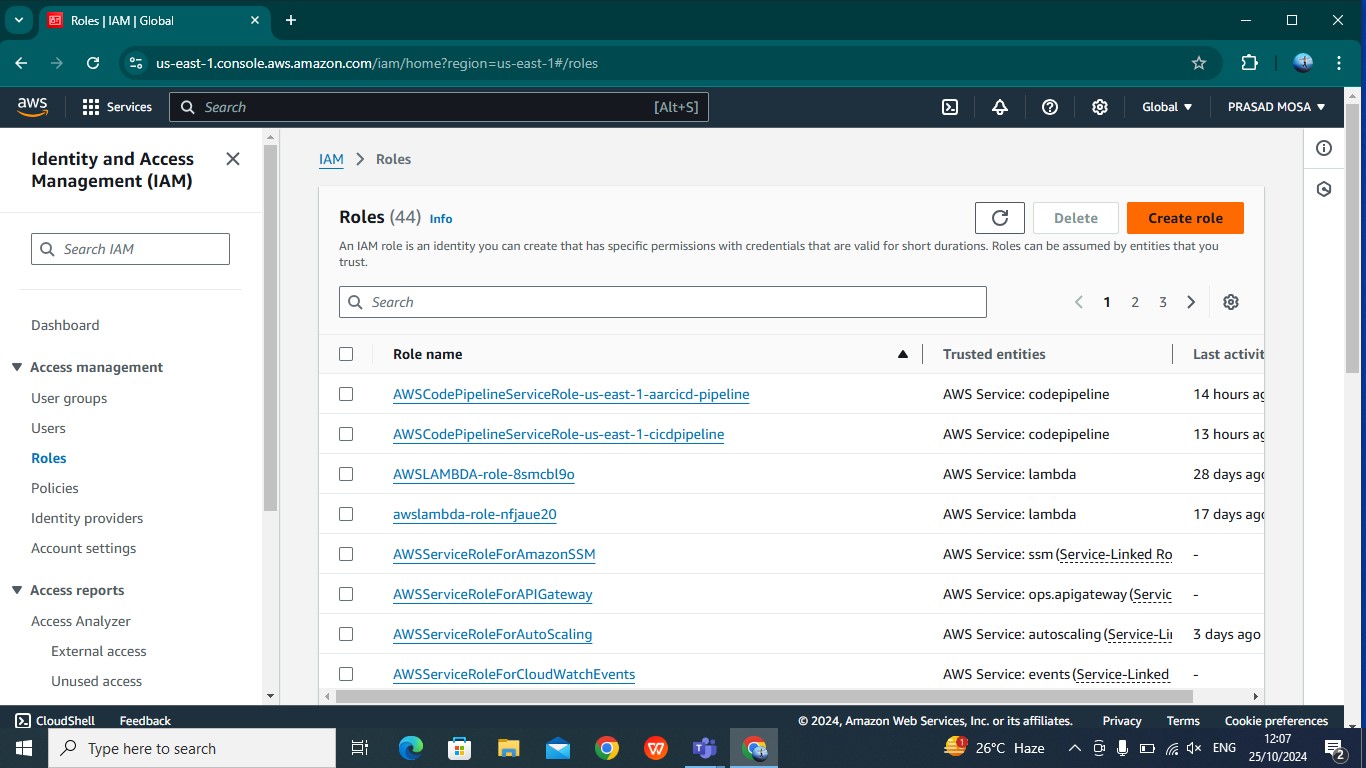
**STEP1**: First we have to open the aws console

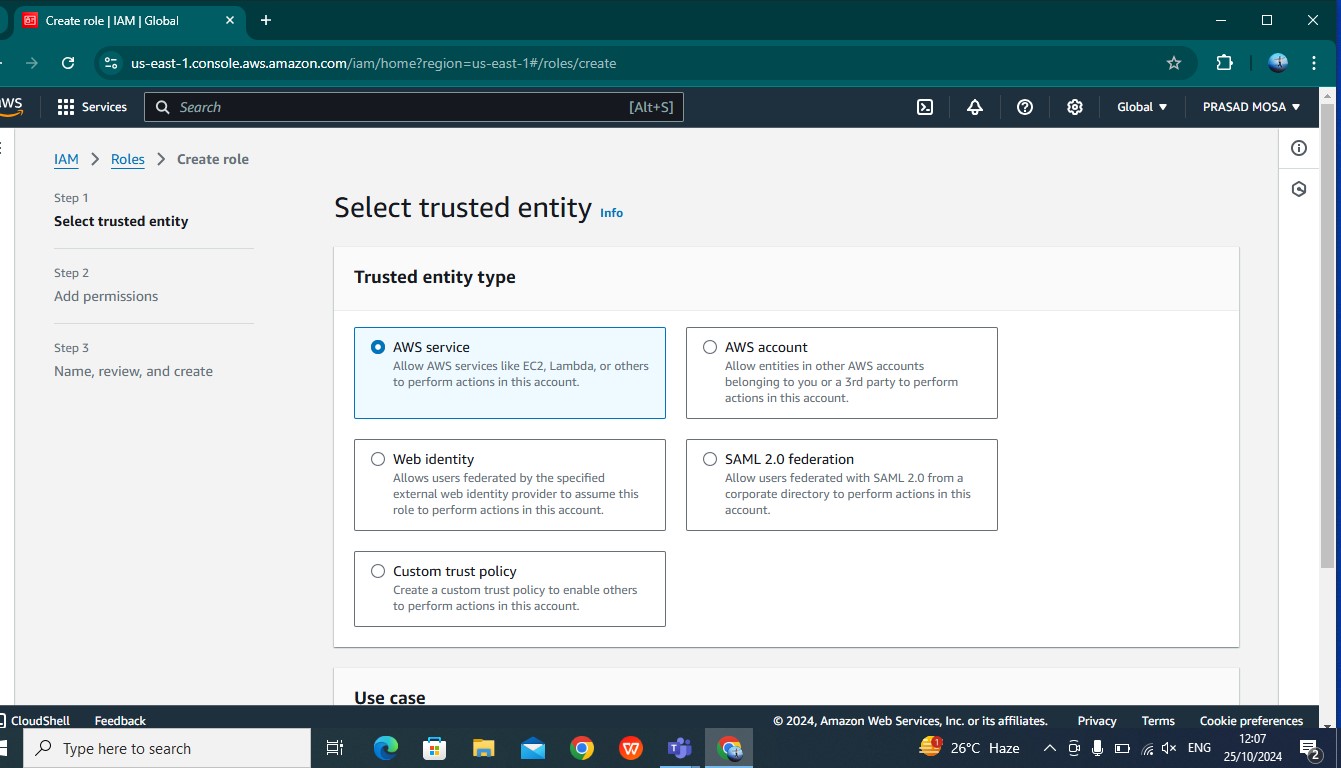


Then Go to services click on IAM

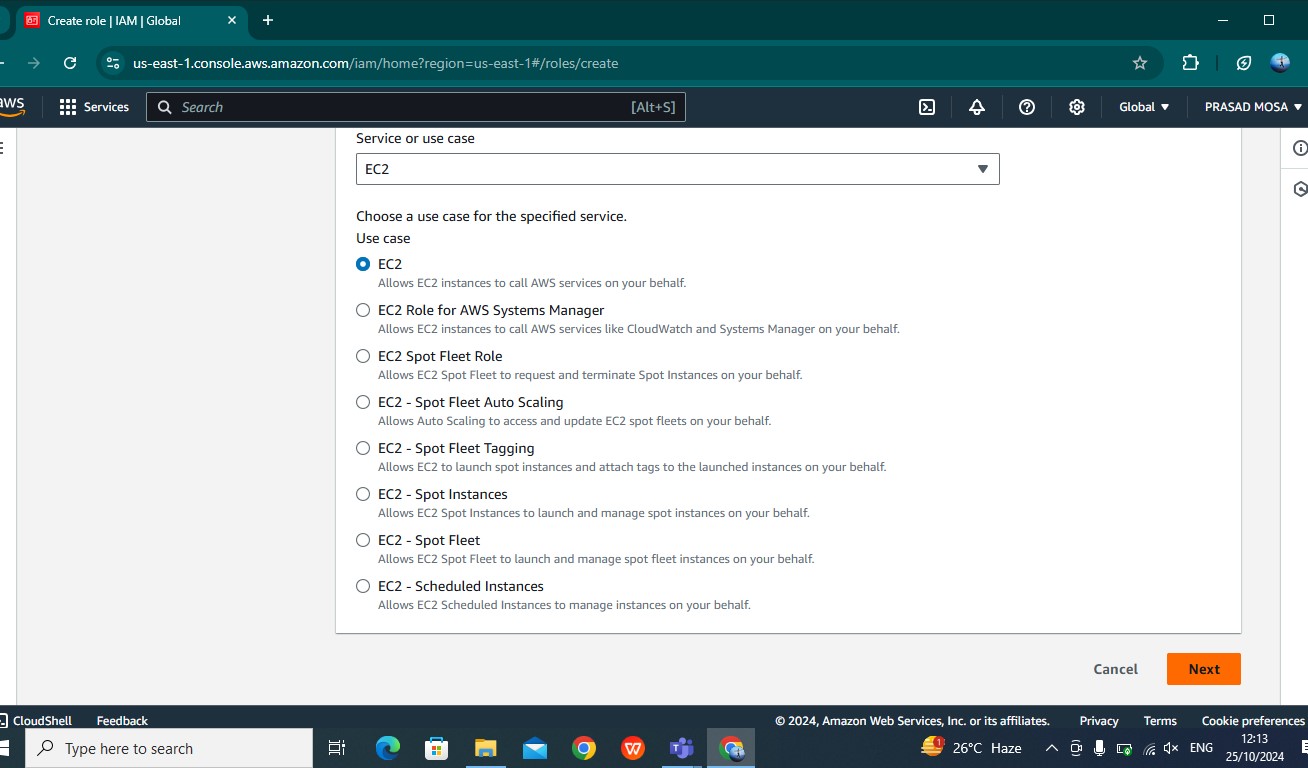


After opend the IAM click on role given left side

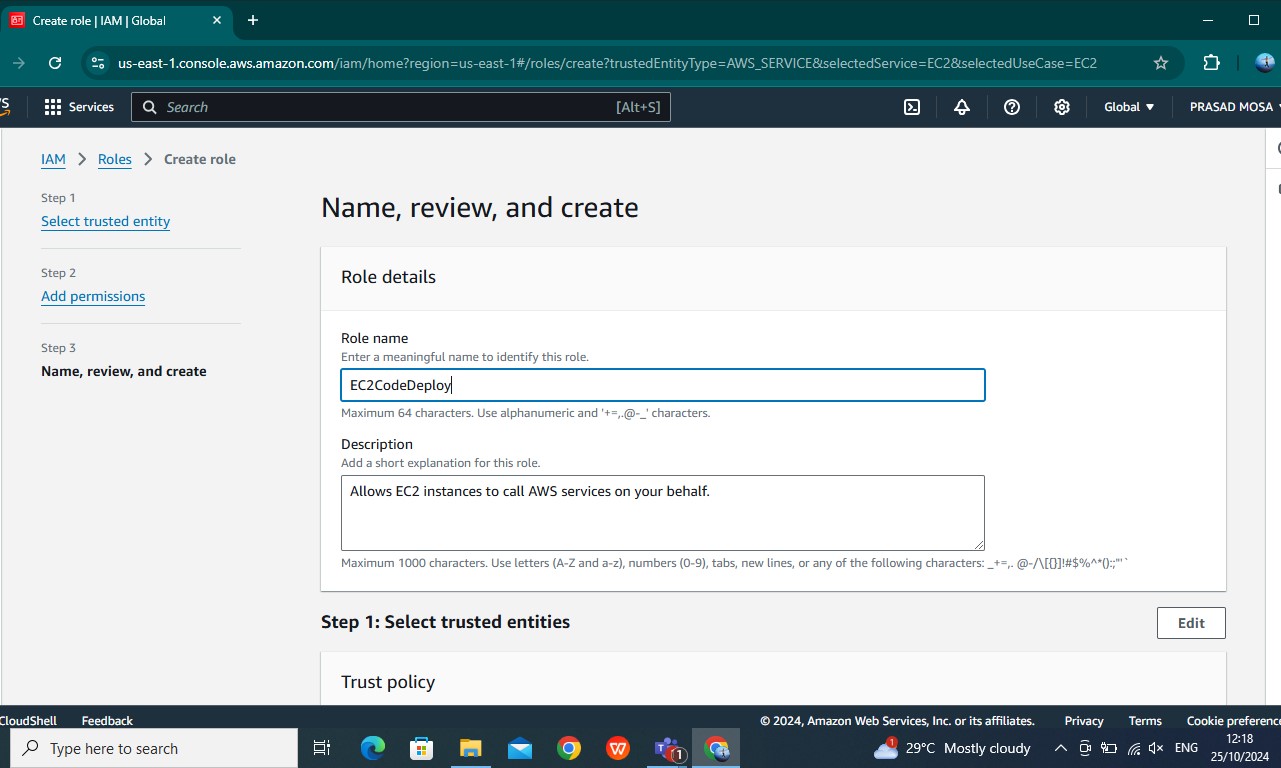




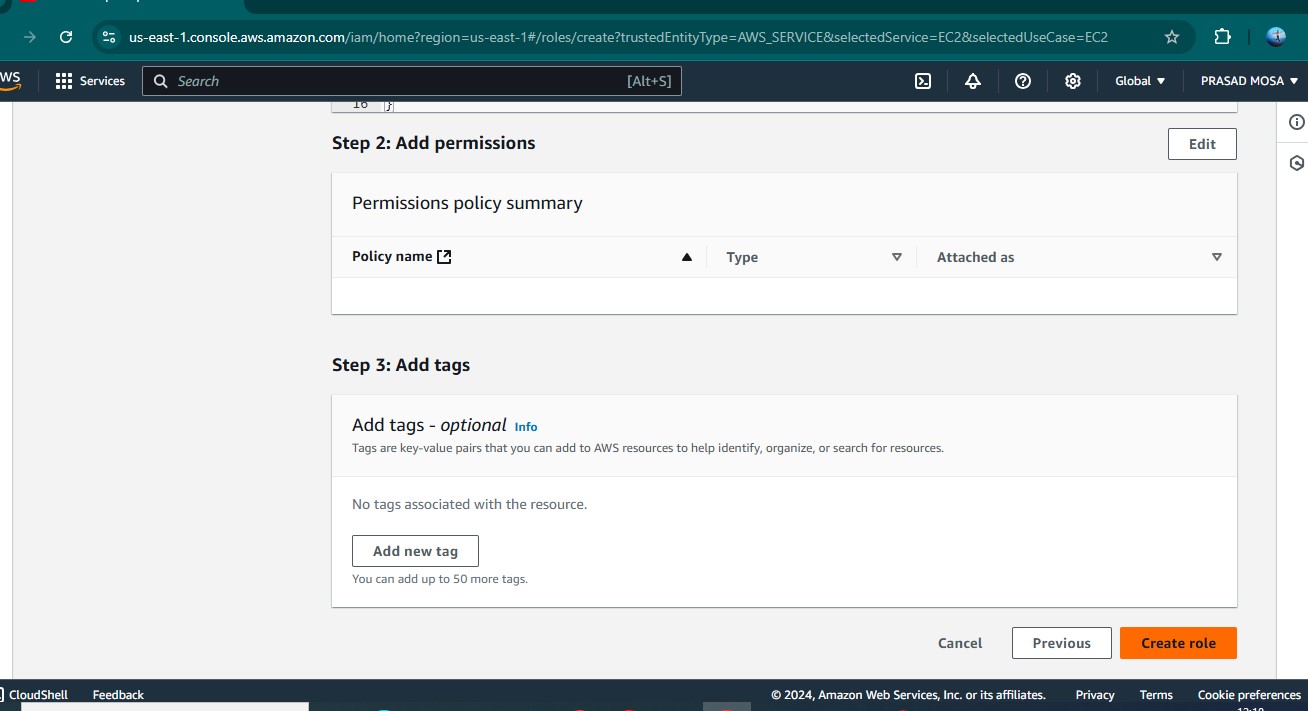
Choose the EC2 instance to service or use case



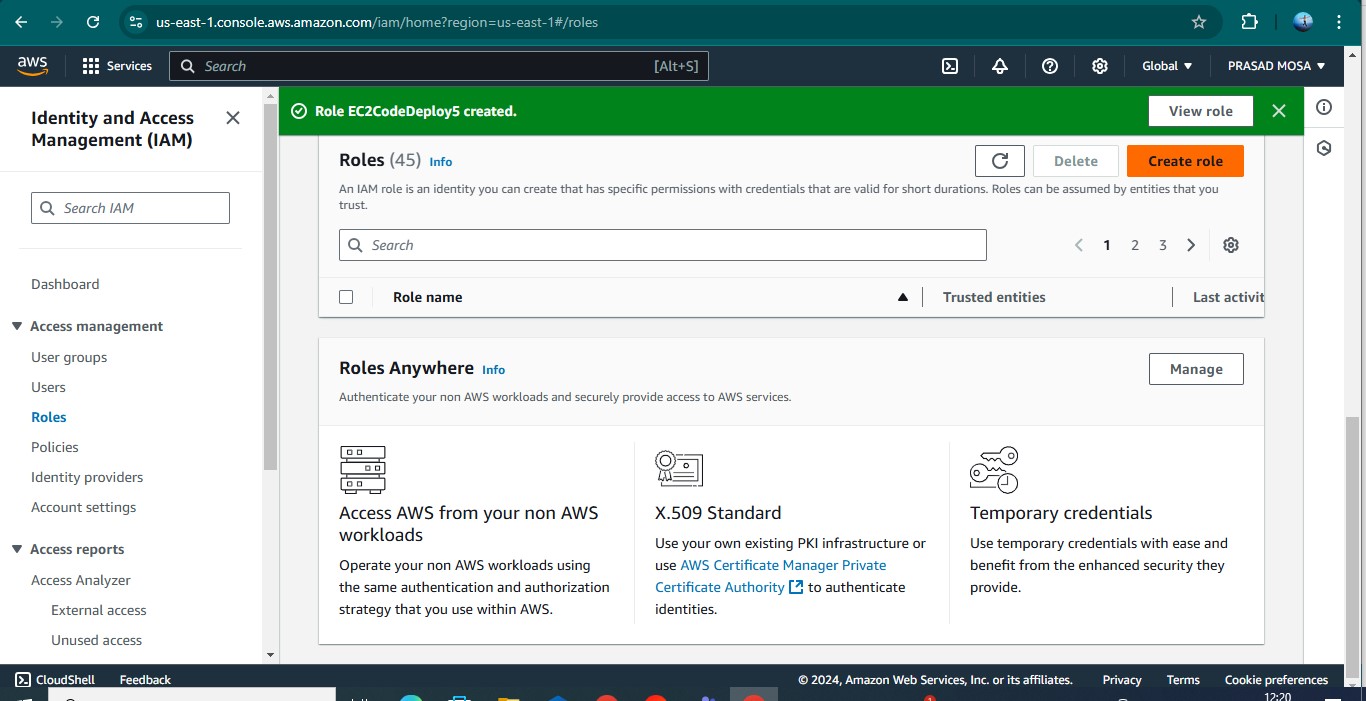
Here we have to give Name, review, create



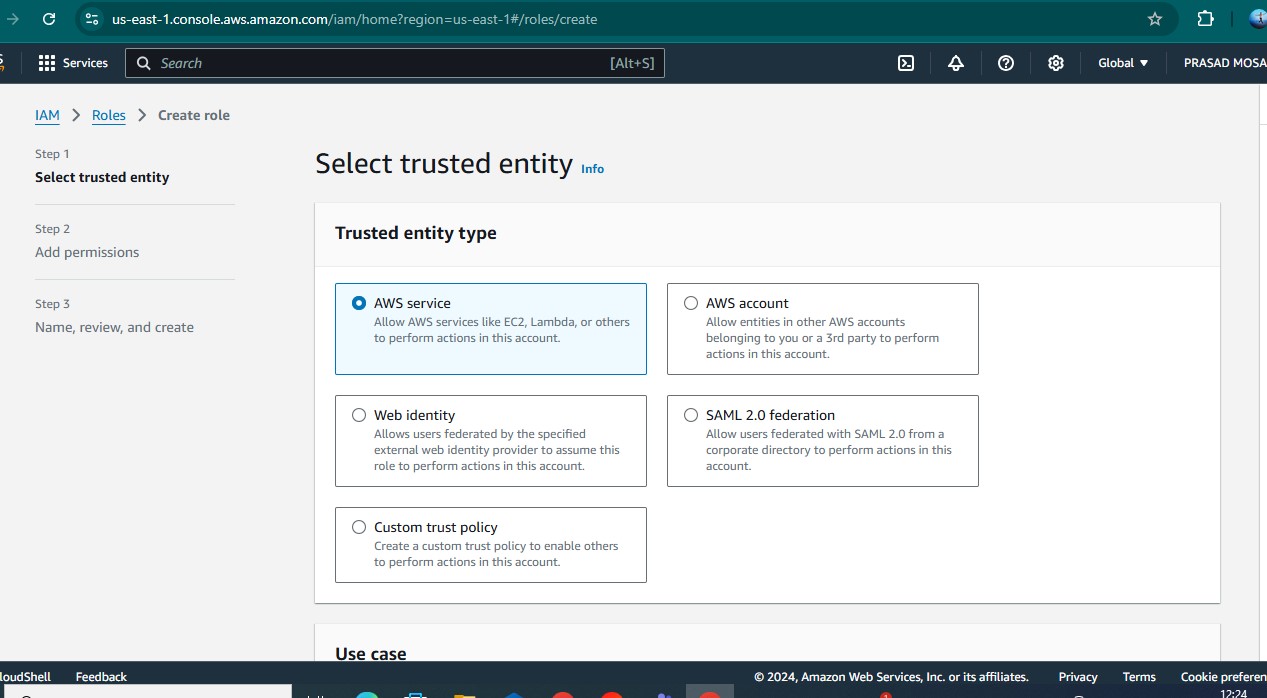
Then create the role



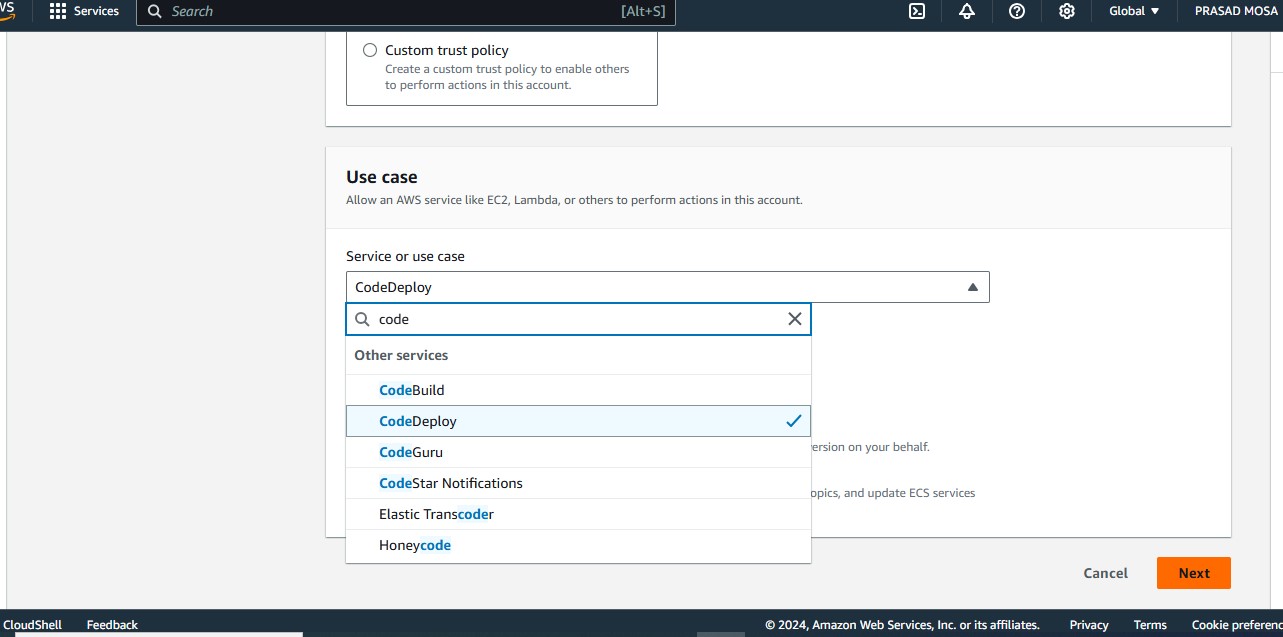
Here successfully created the role

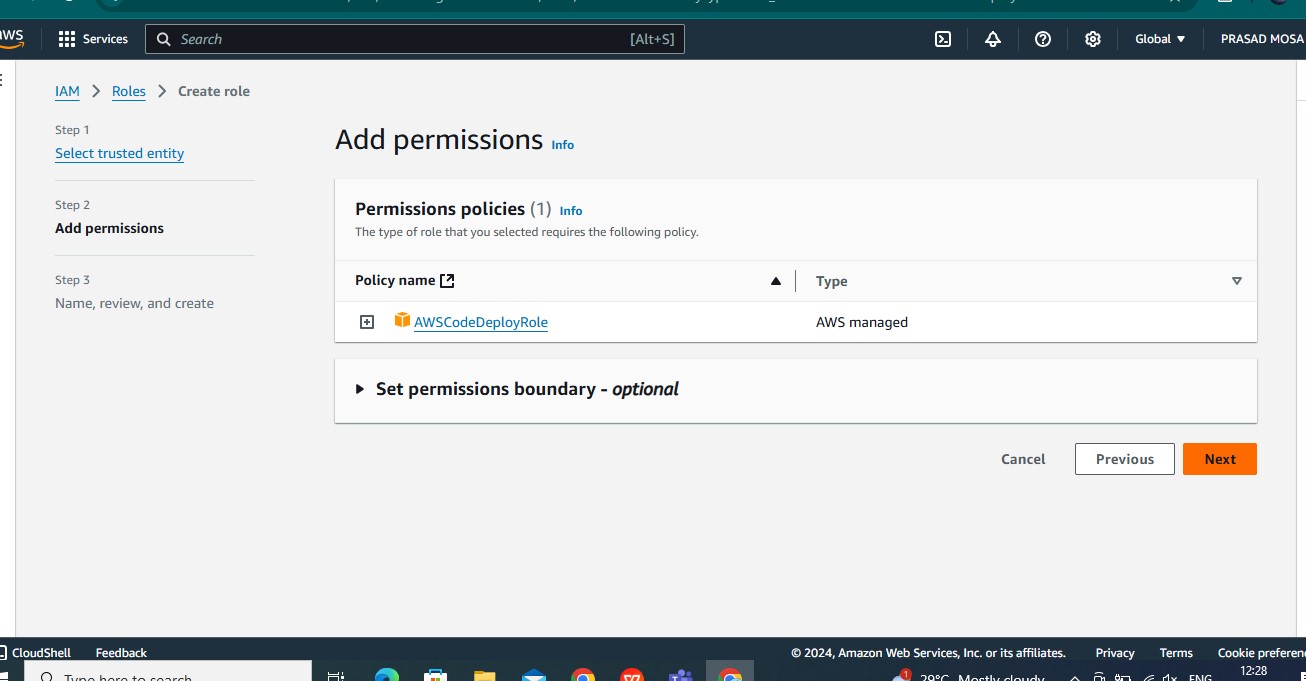


STEP2: Here again we have to create another role

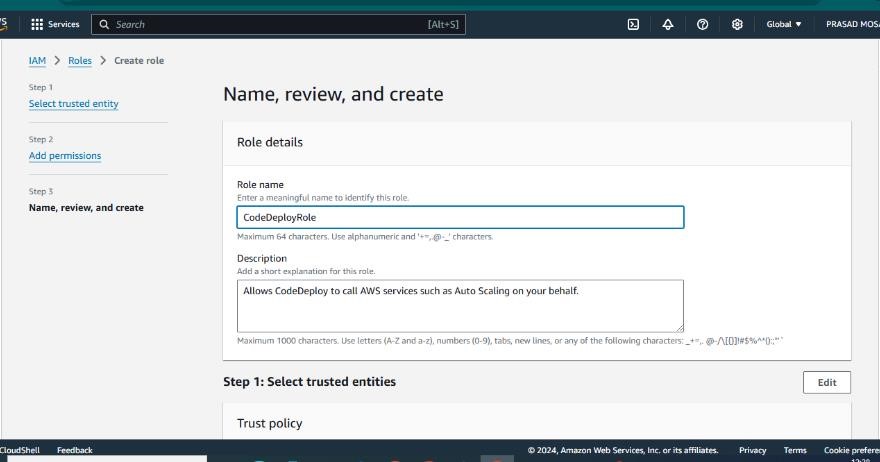


Here we chose the code deploy for service or use case

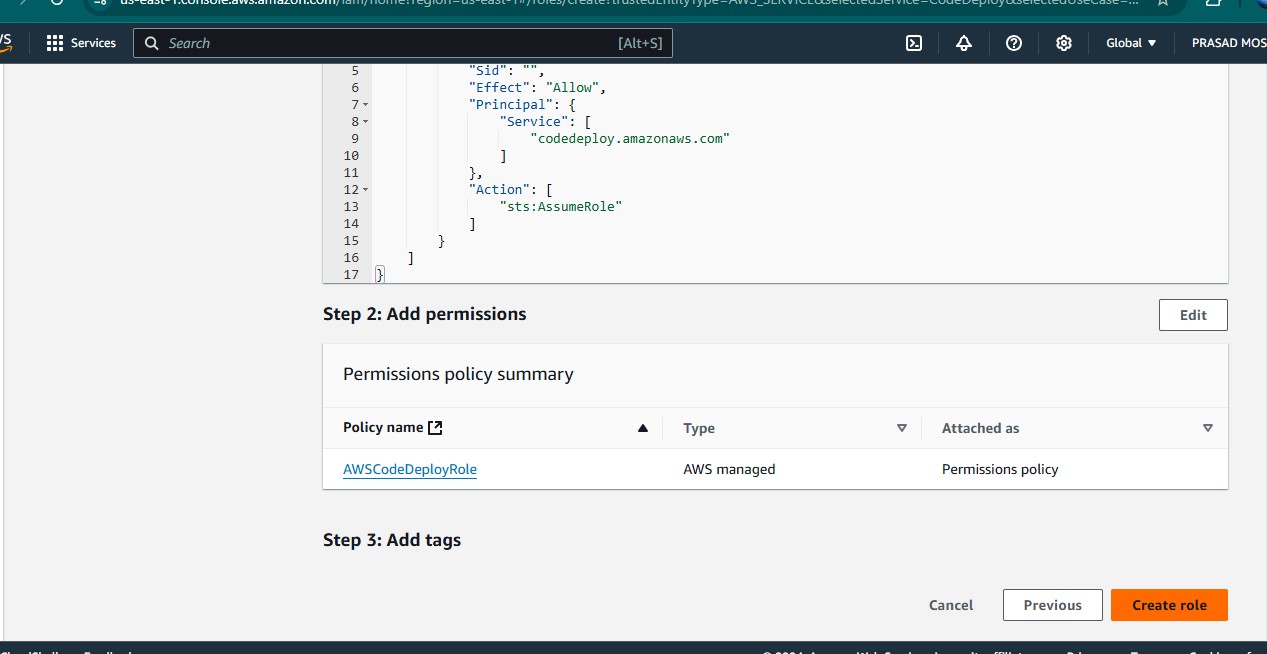




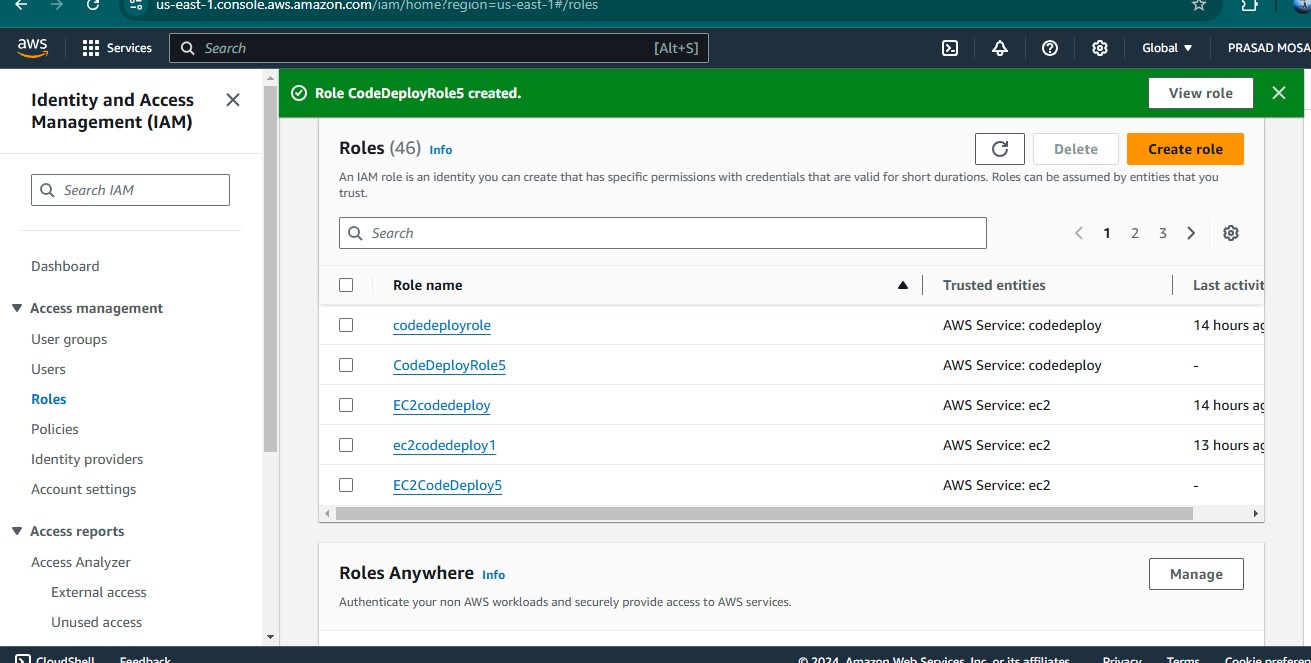
Here we have to give Name, review, create



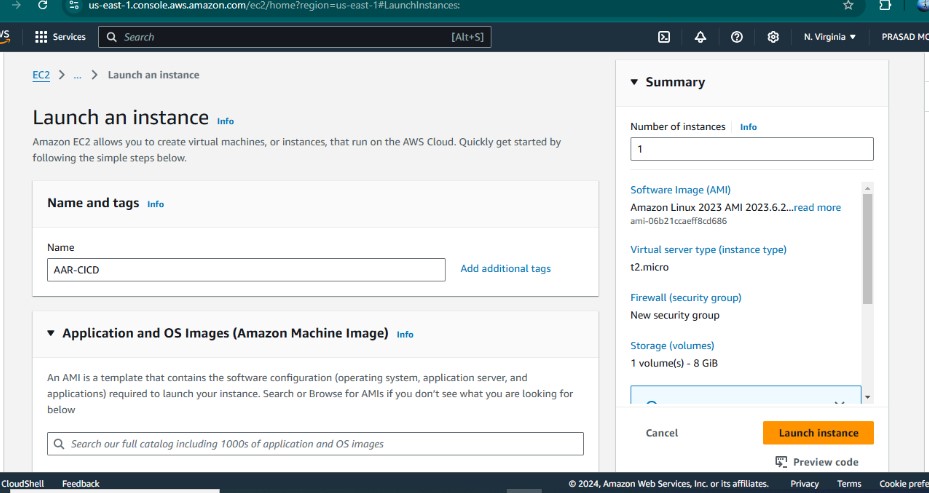
Here click on the create role



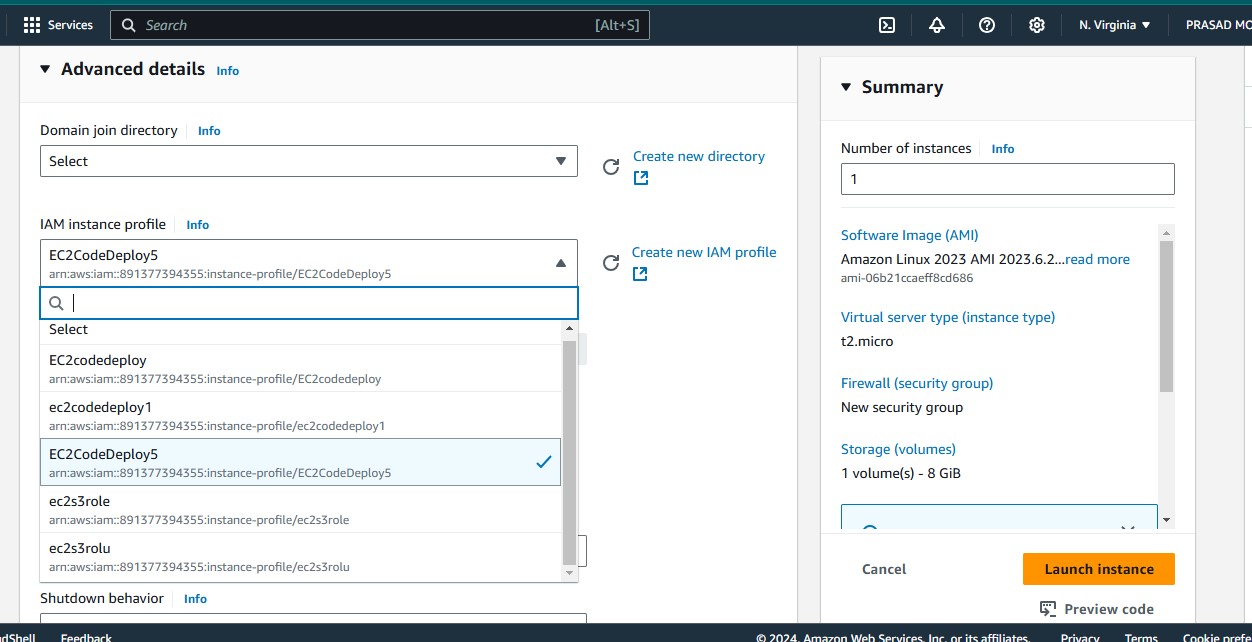
Here second role also created successfully



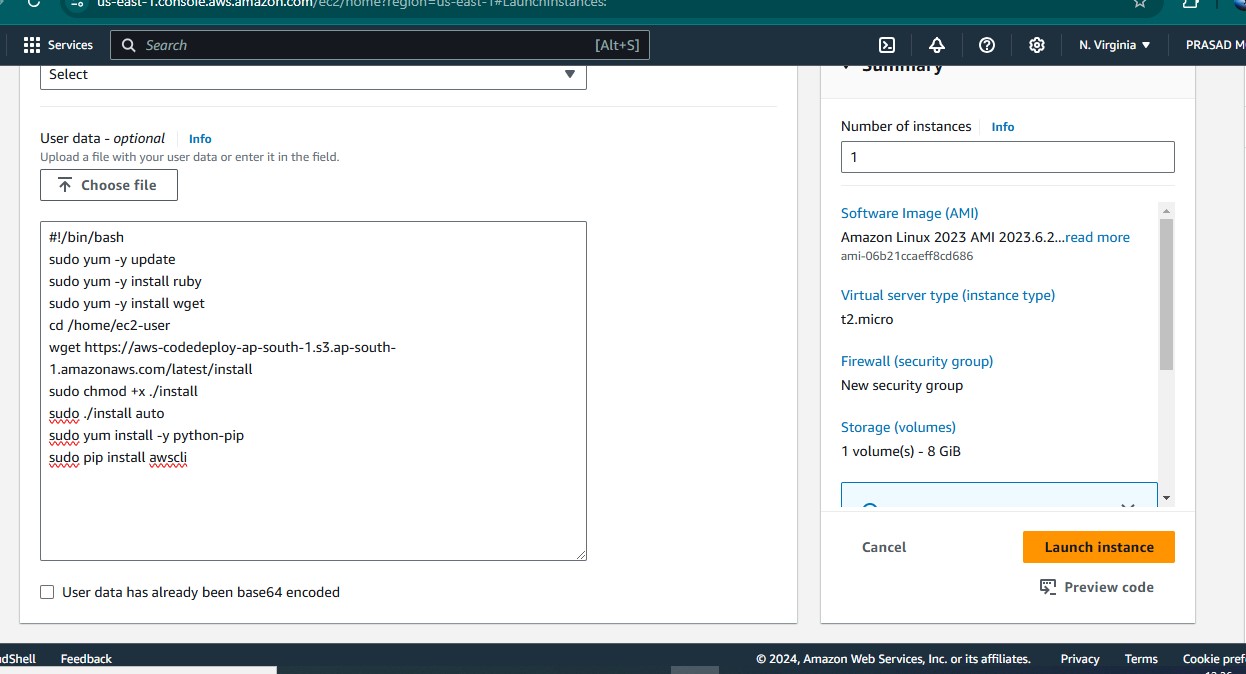
**STEP3**: Create the EC2 instance.



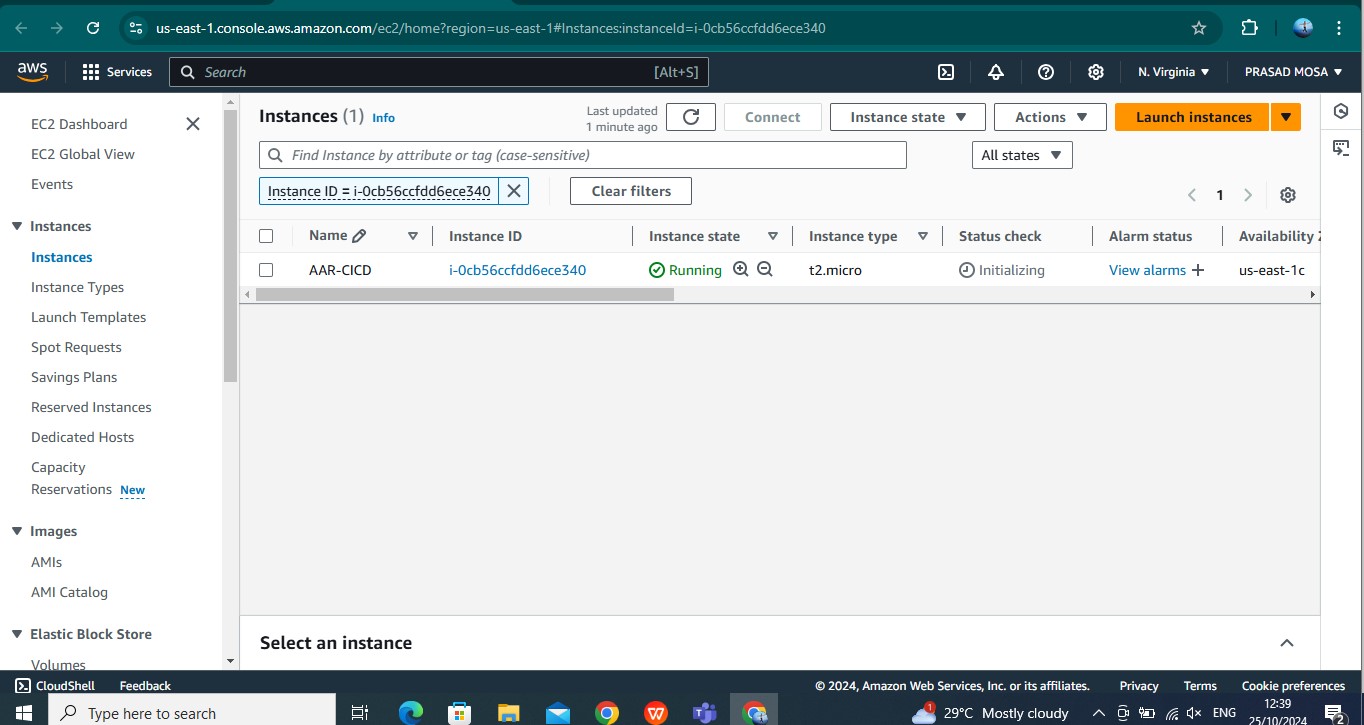
Here we click on Advanced details and give the IAM instance Profile



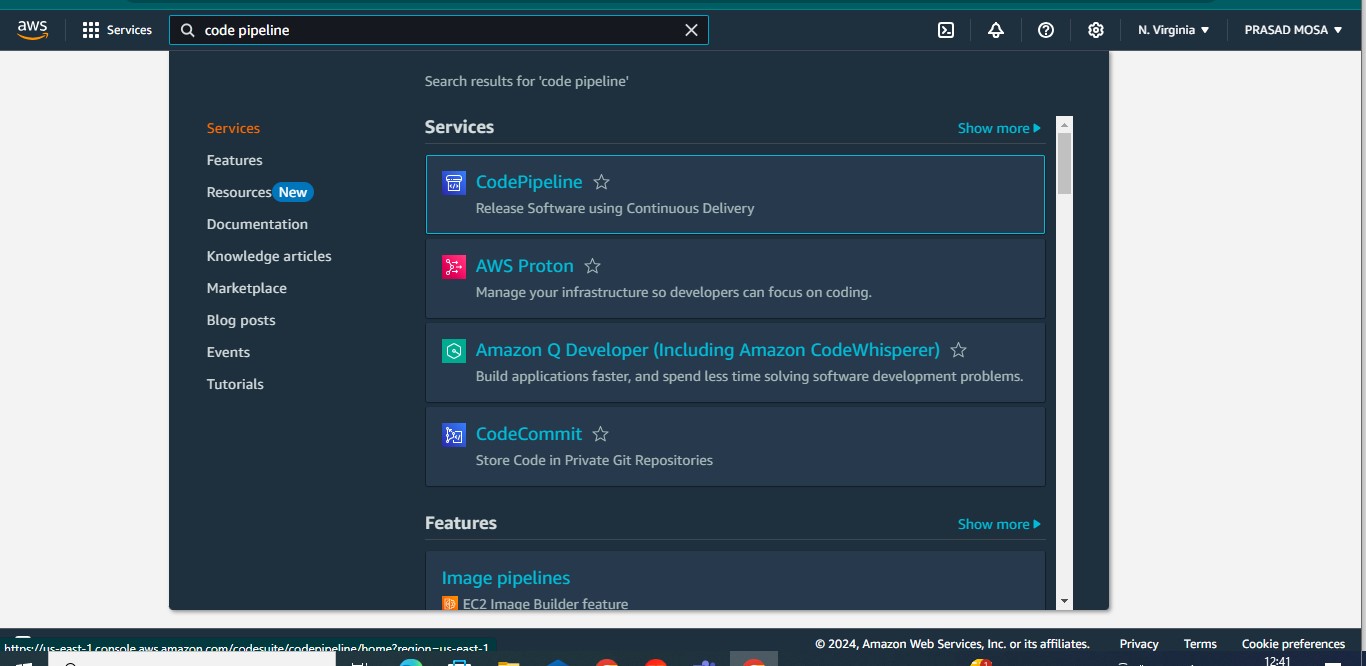
Here we add the user data and Launch instance.



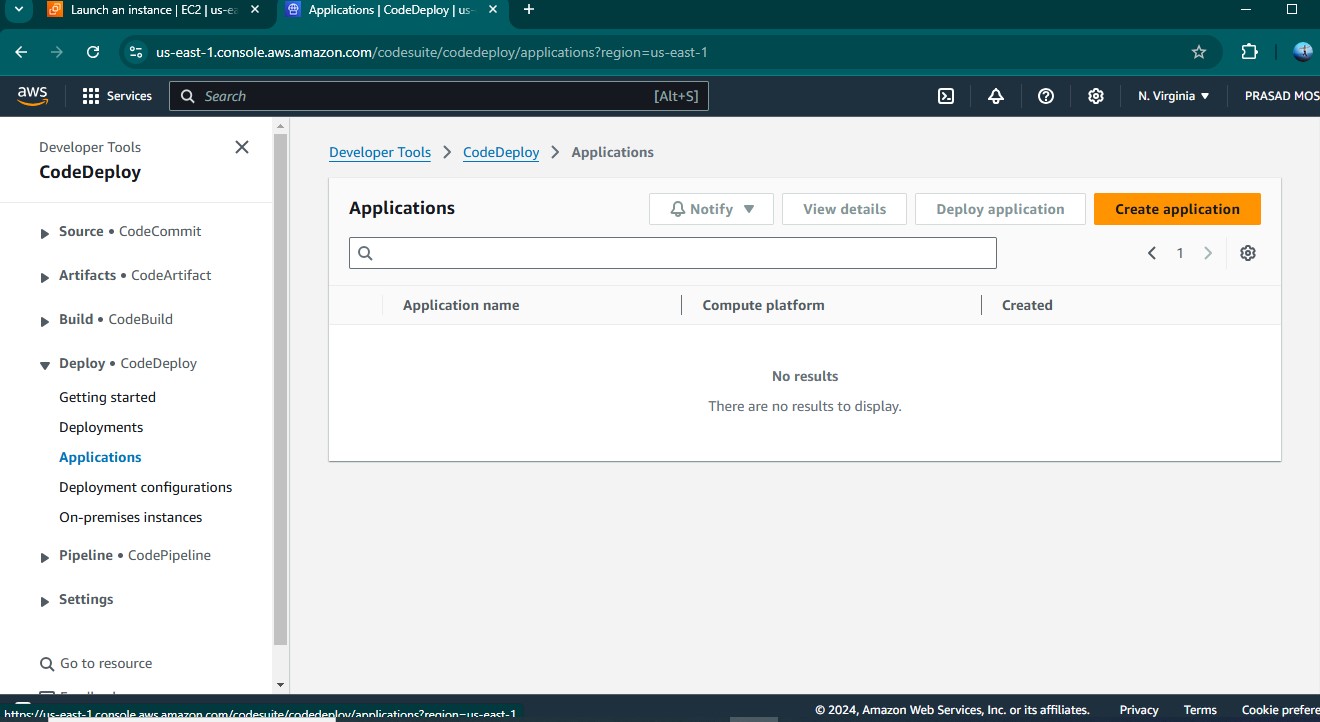
Now successfully Launched instance.



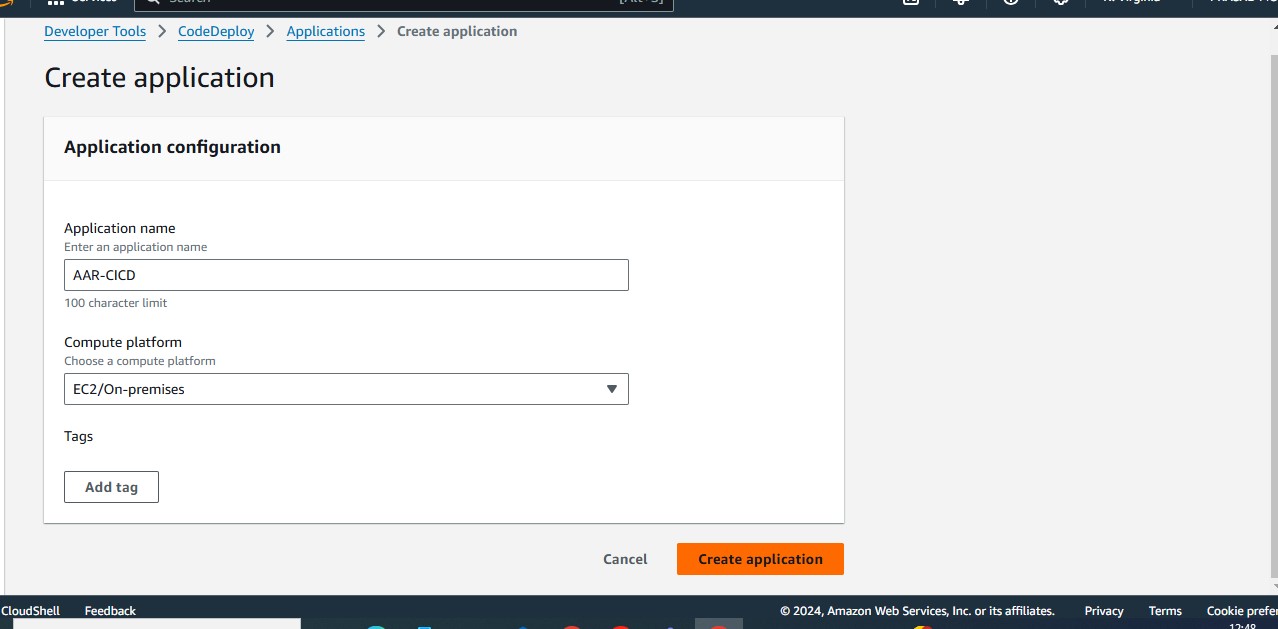
**STEP4:** Go to service click on CodePipline



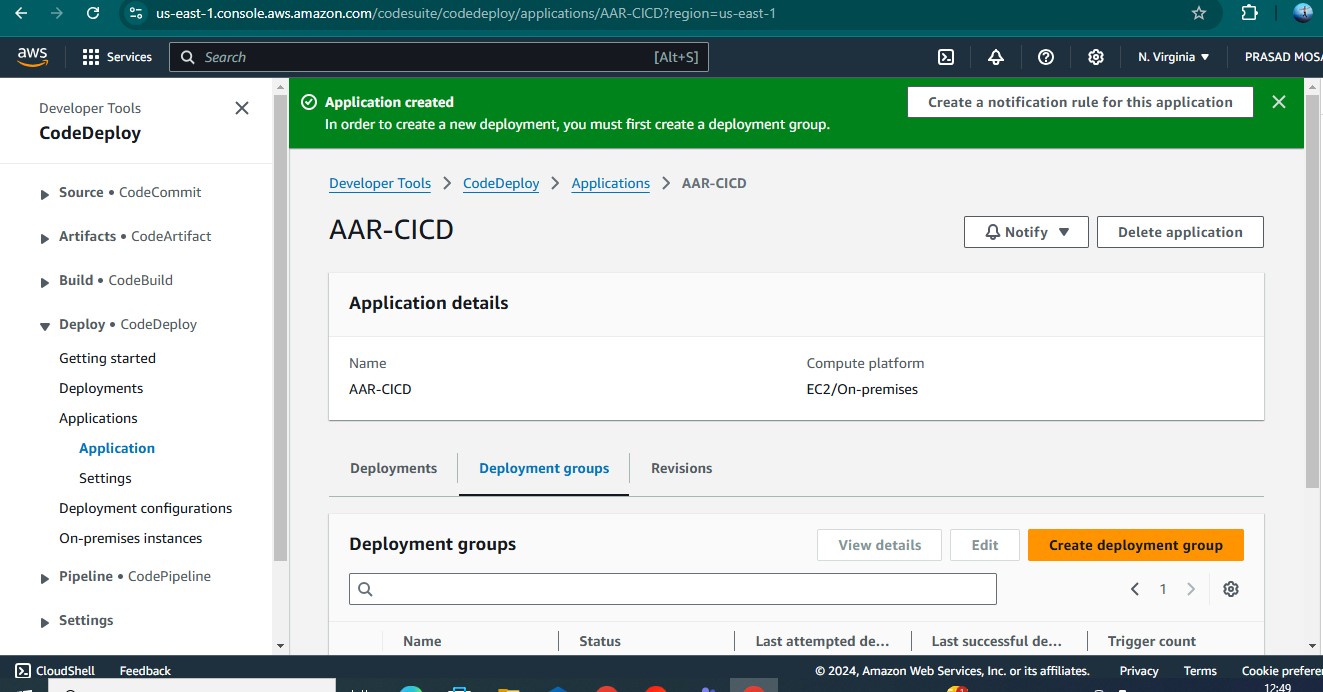
Then Create Application



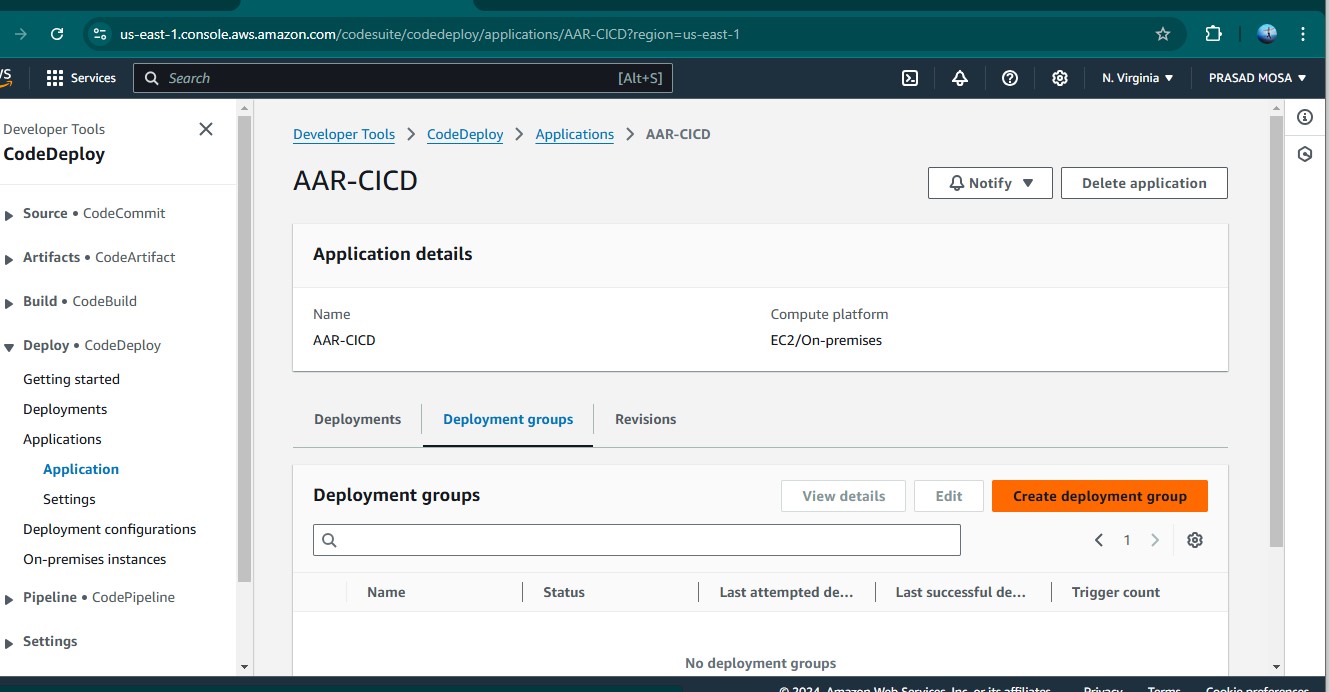
Here we give Appliction Configuration &click on create pipeline



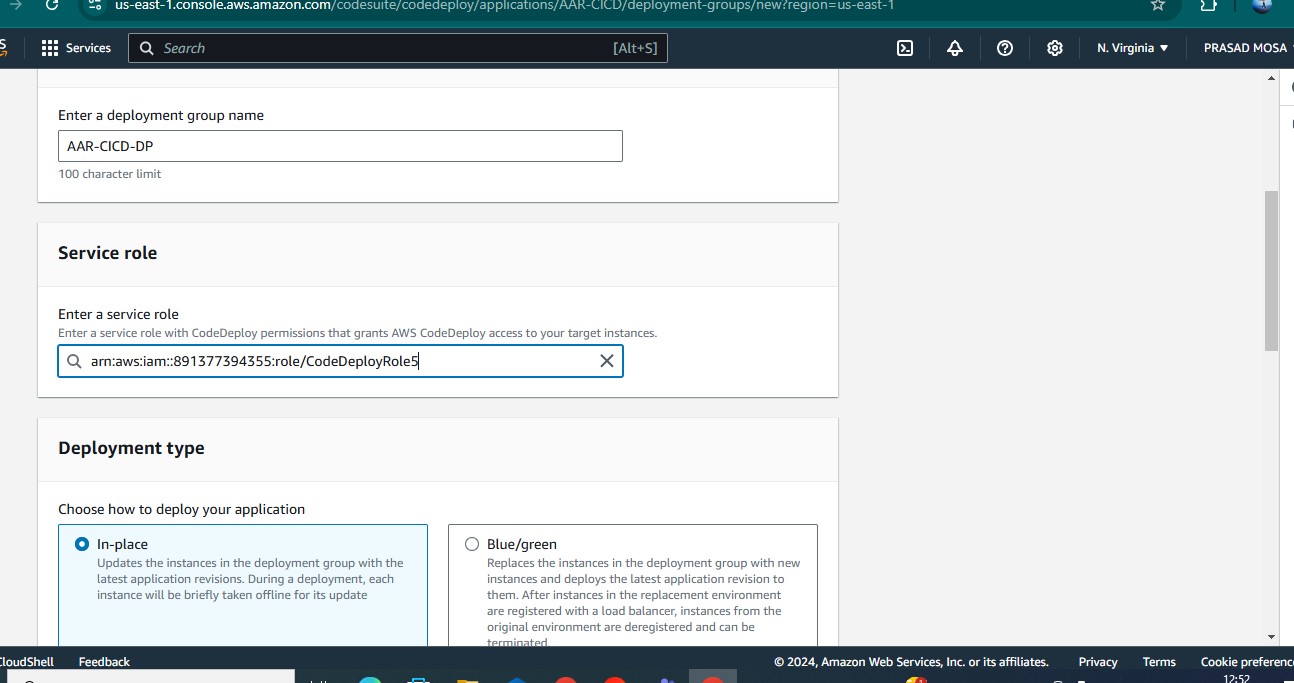
Here sucessfully created Application



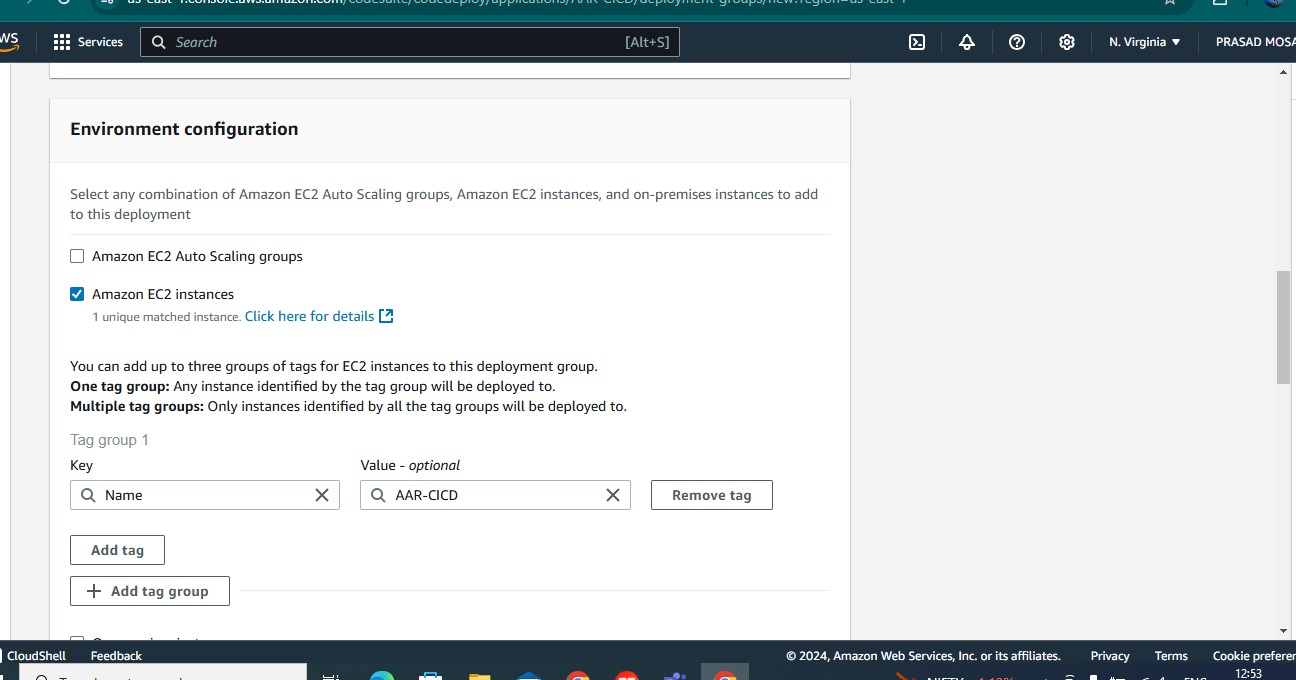
**STEP5 :** Now we have create the Deployment group

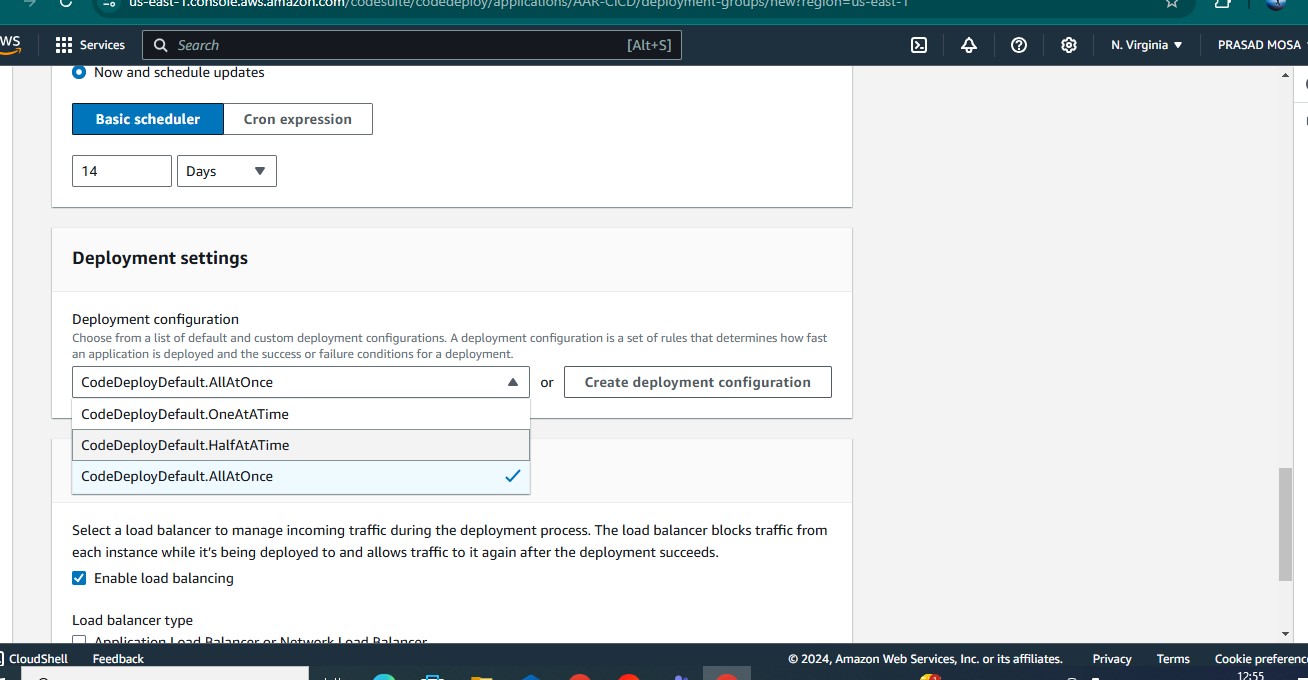


Here we give Deployment group name & service role

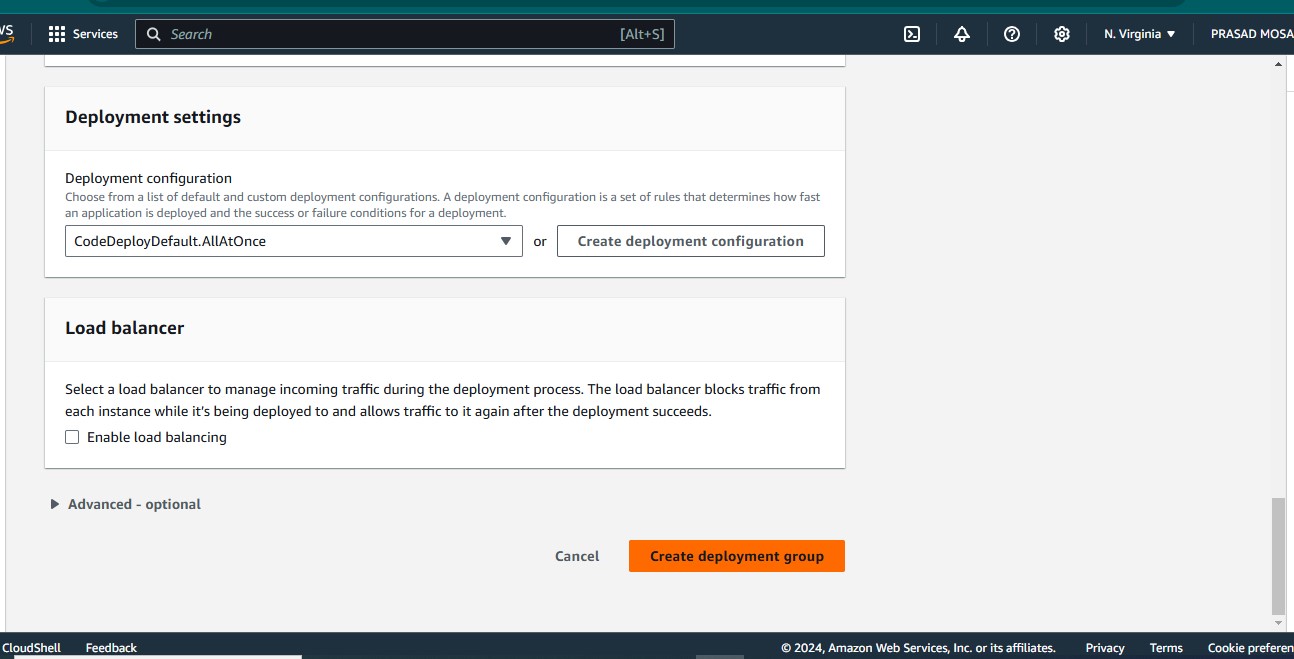


Now we give Amazon EC2 in Enviornment Configuration

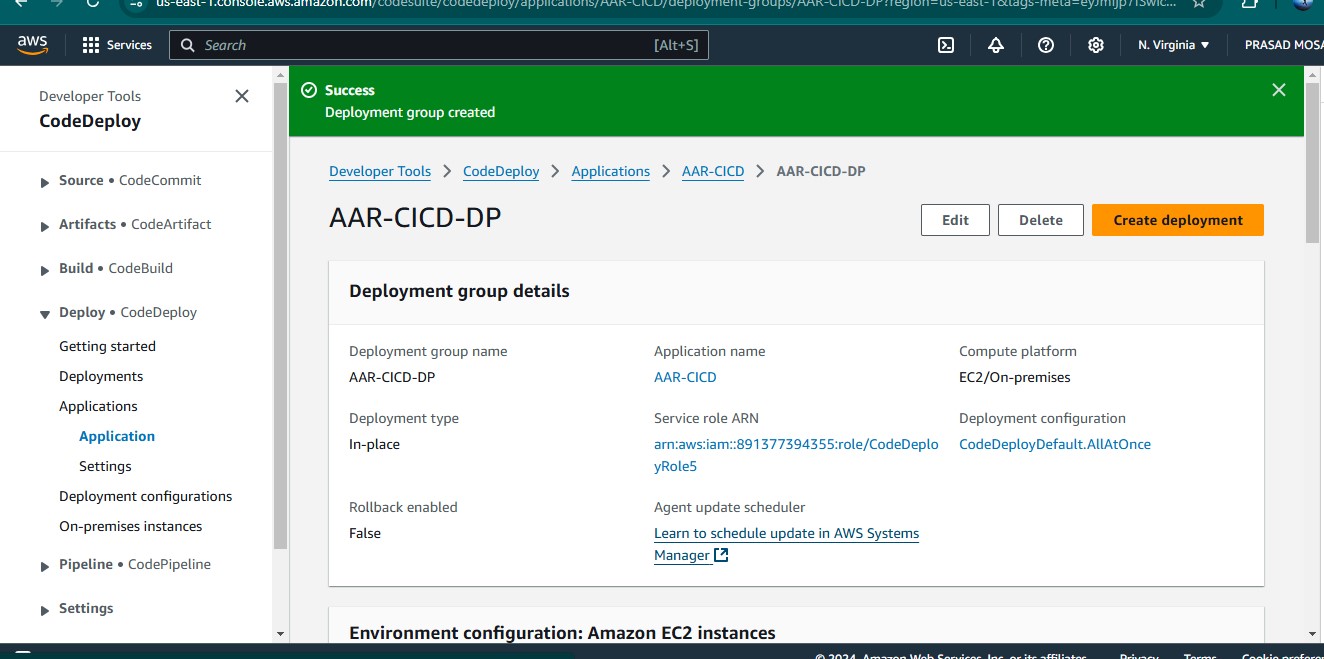




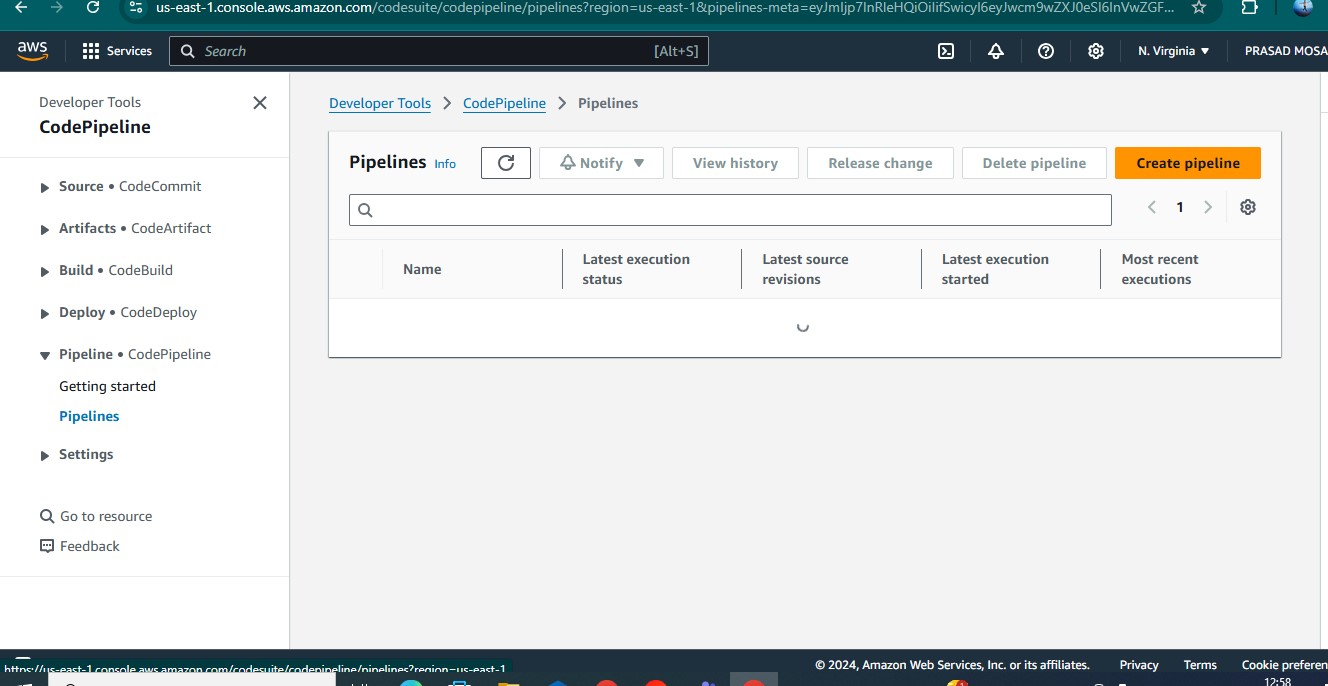
Here give deployment settings and untick the load balancer

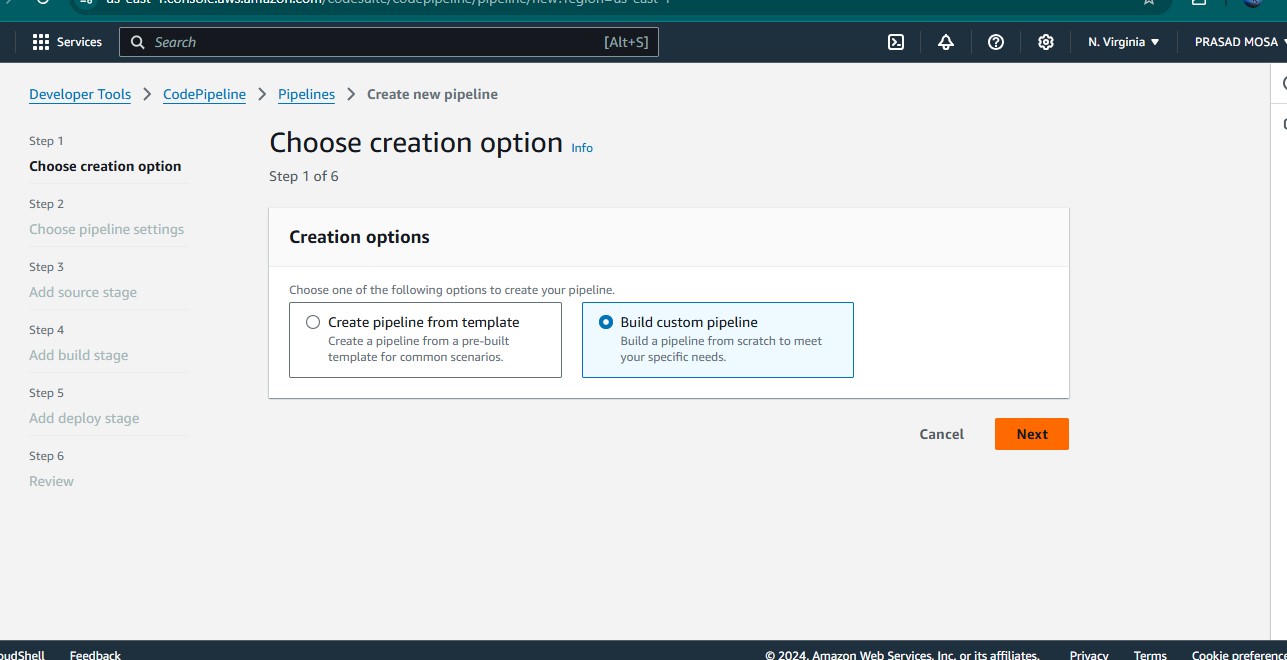


Now successfully created the Deployement group

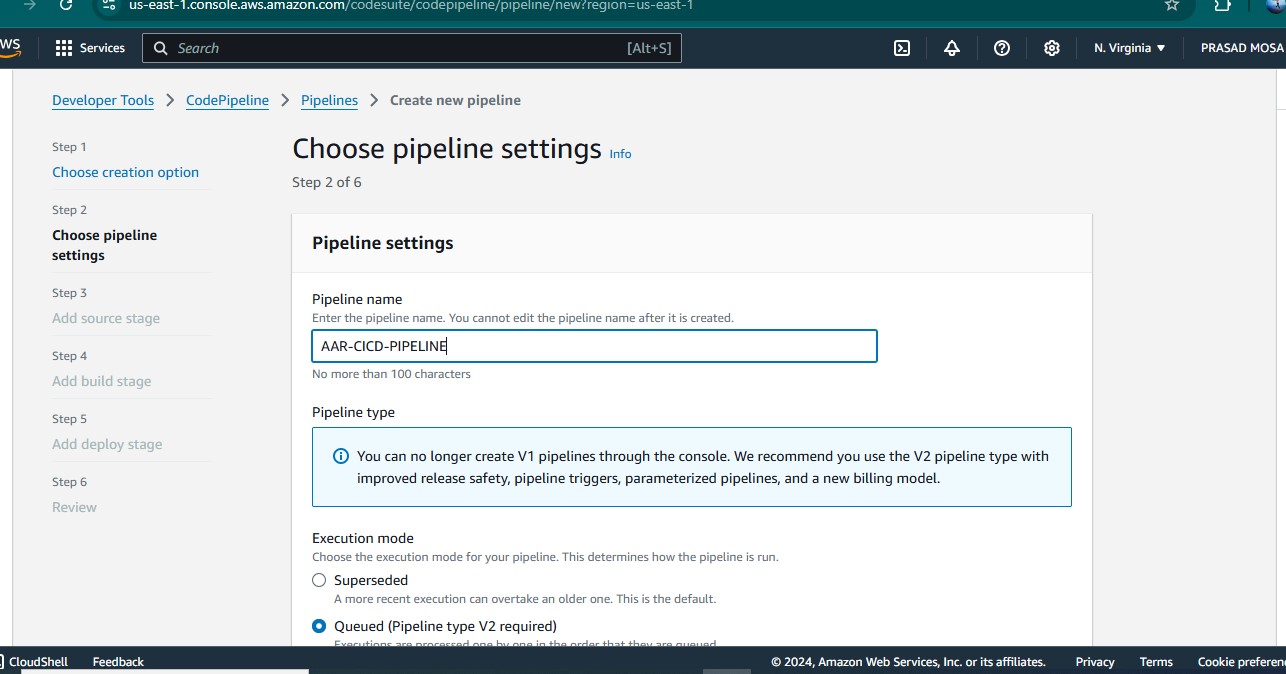


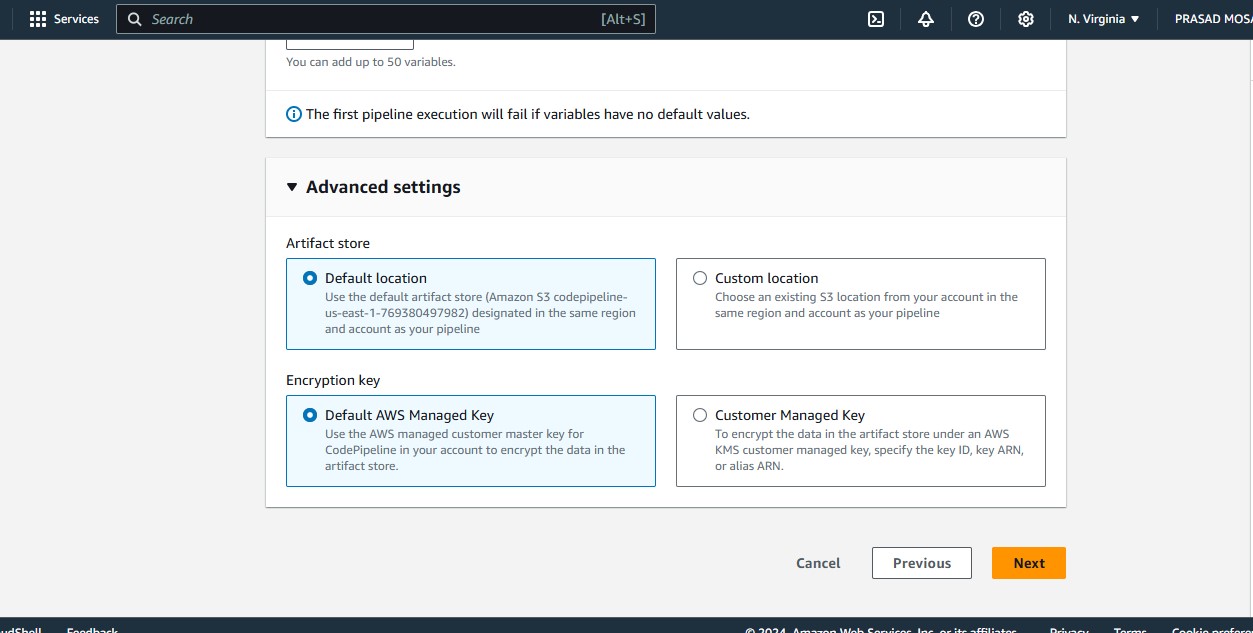
STEP6: Now Go to Pipleline and create Pipeline



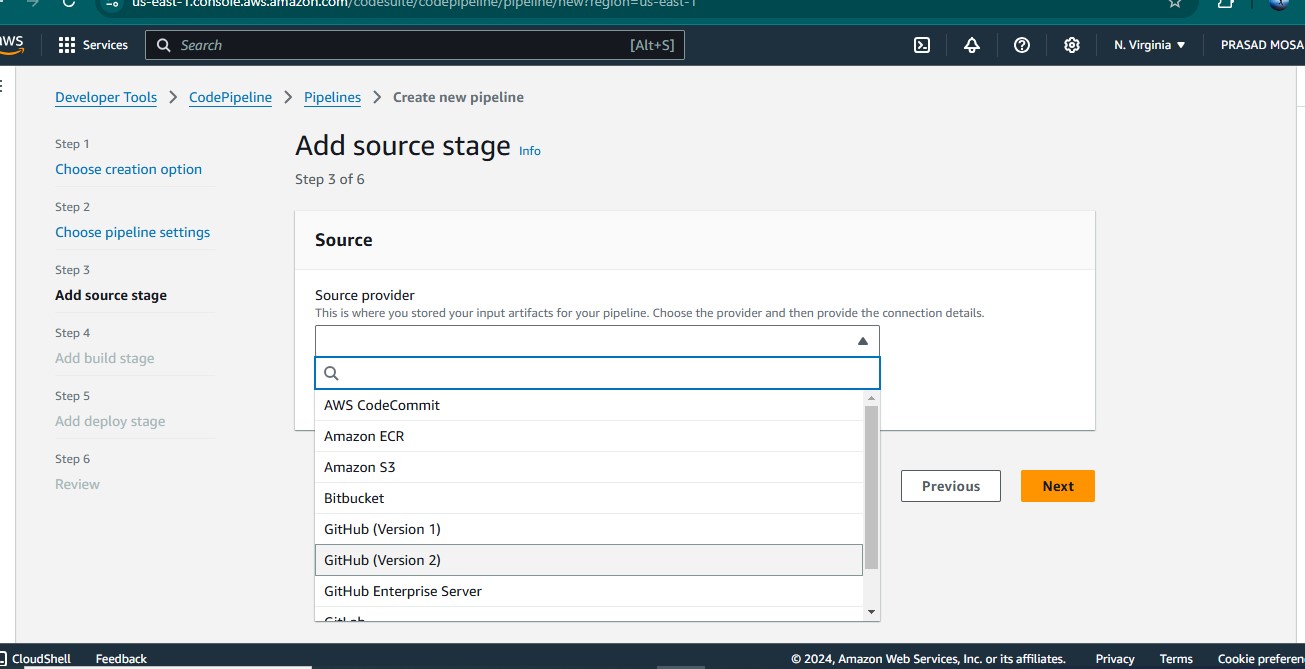


Here we give the Pipeline settings



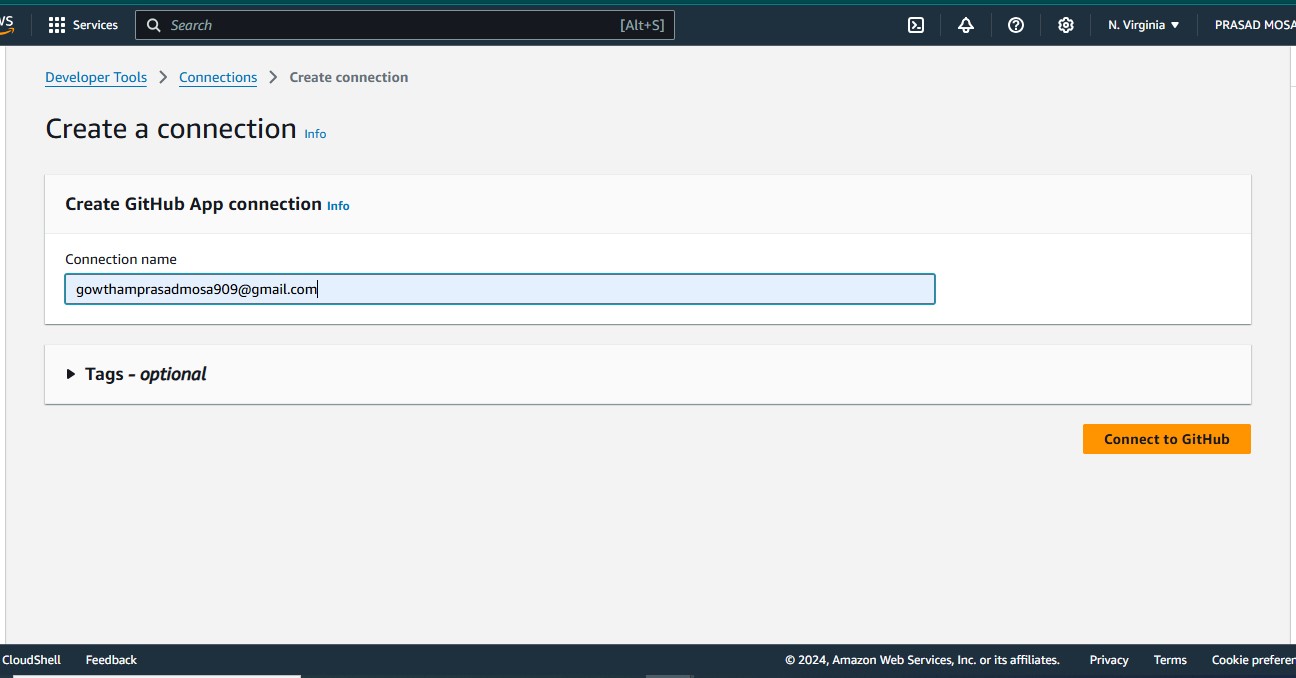


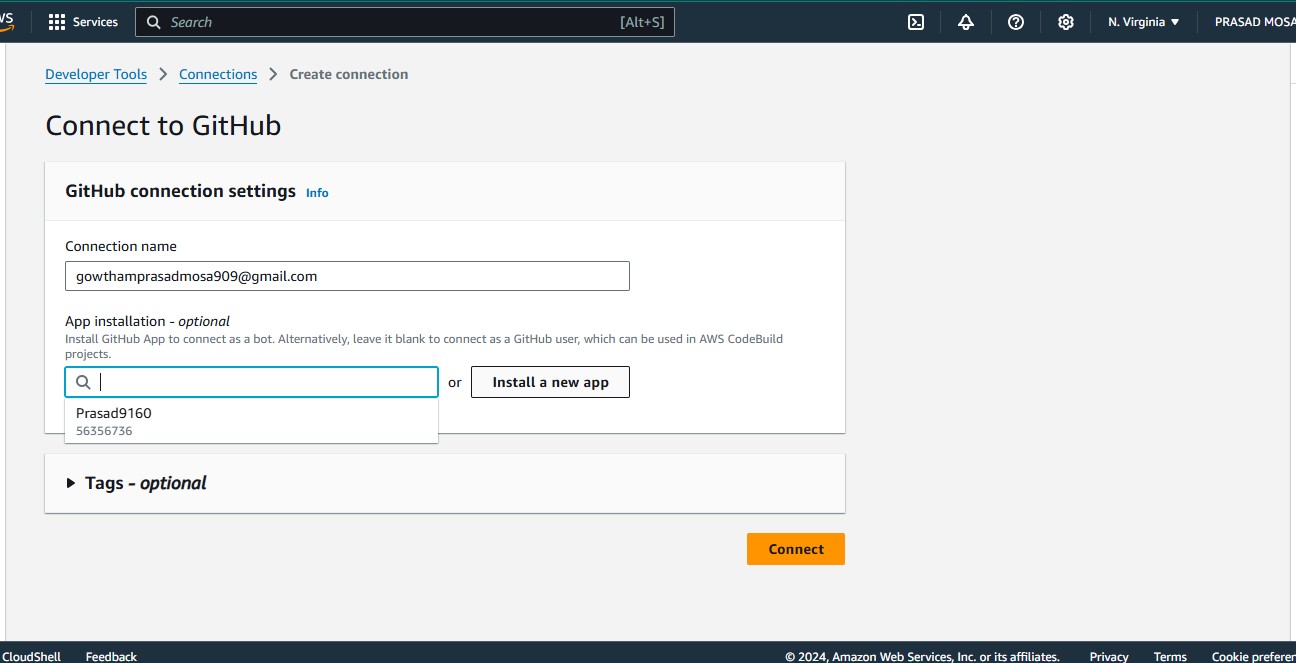
Now Add the git version2 in source storage



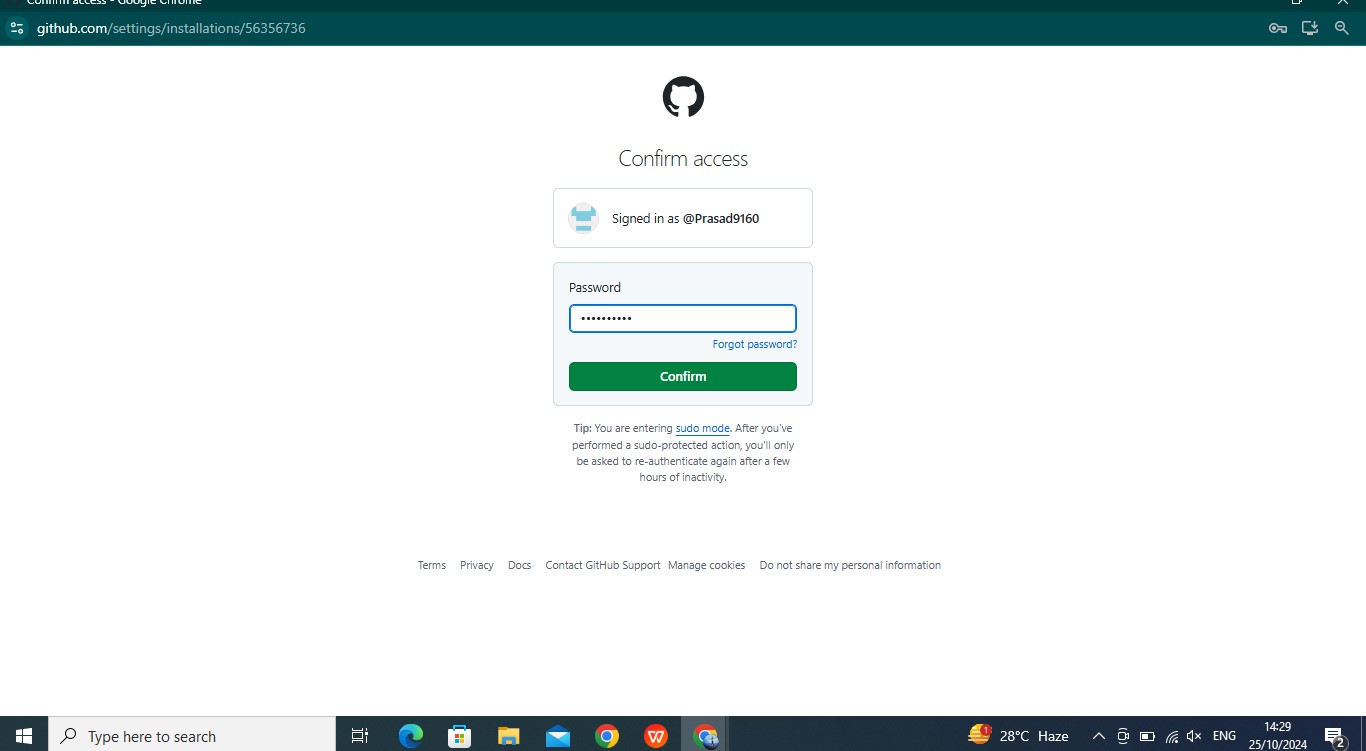
Here we connect to the Git hub.



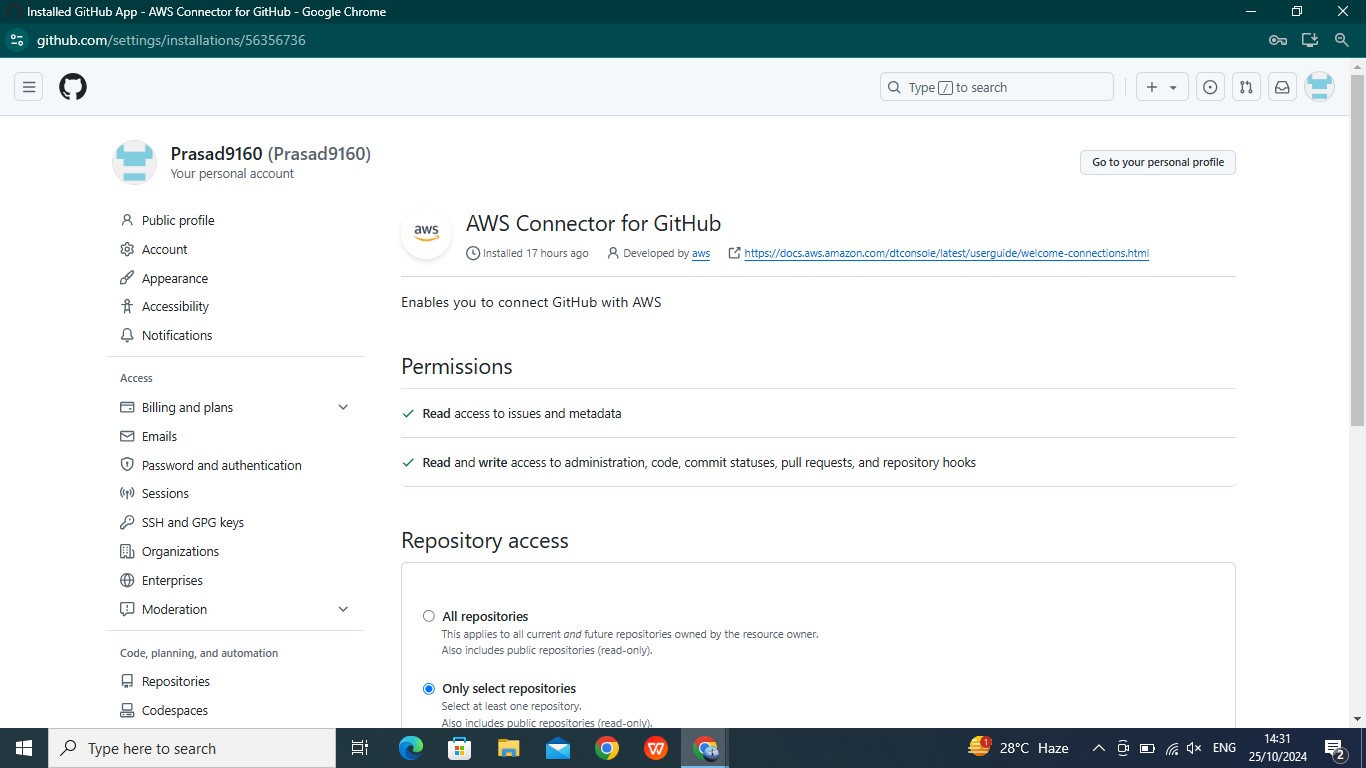




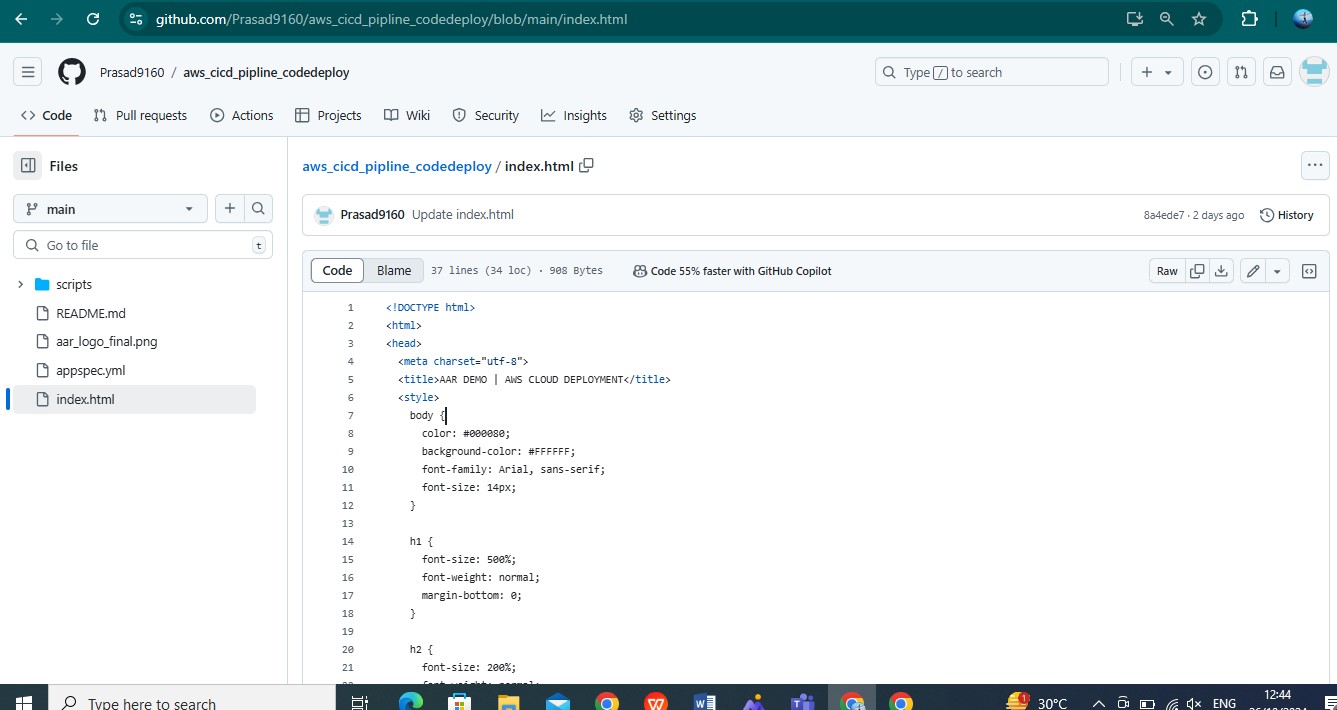
Here login the our github account

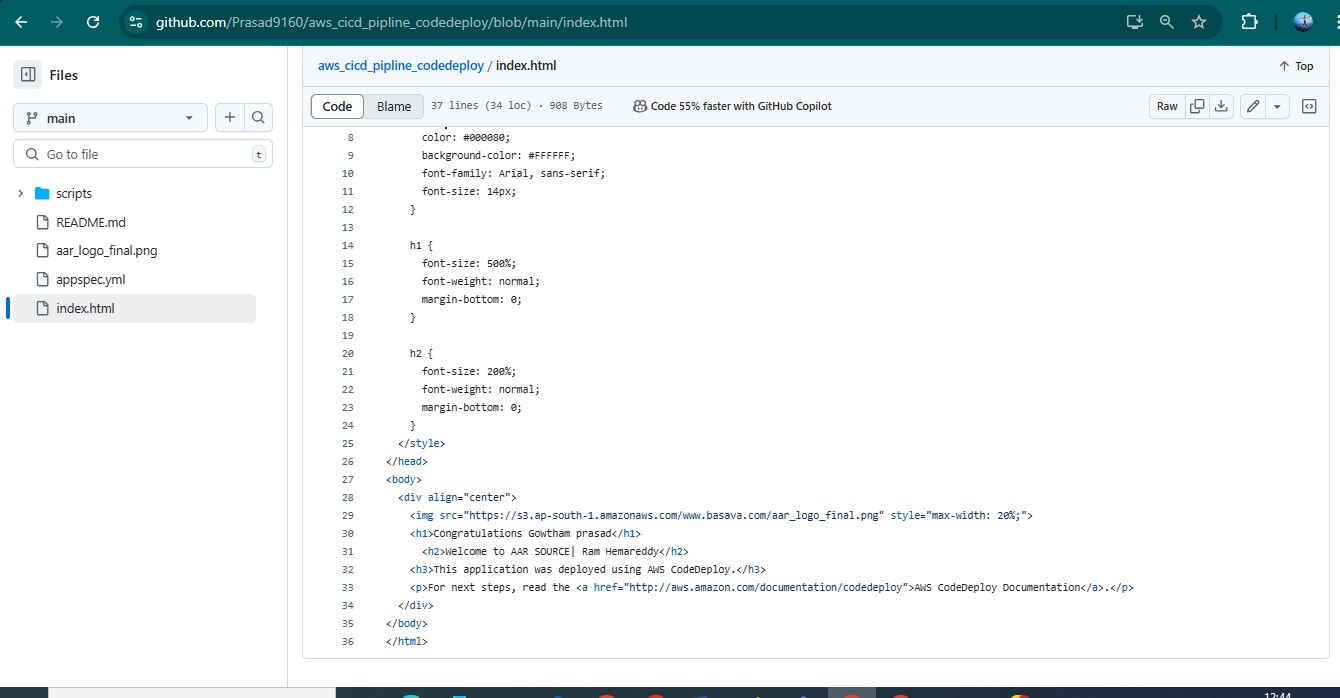


Now opened the git hub

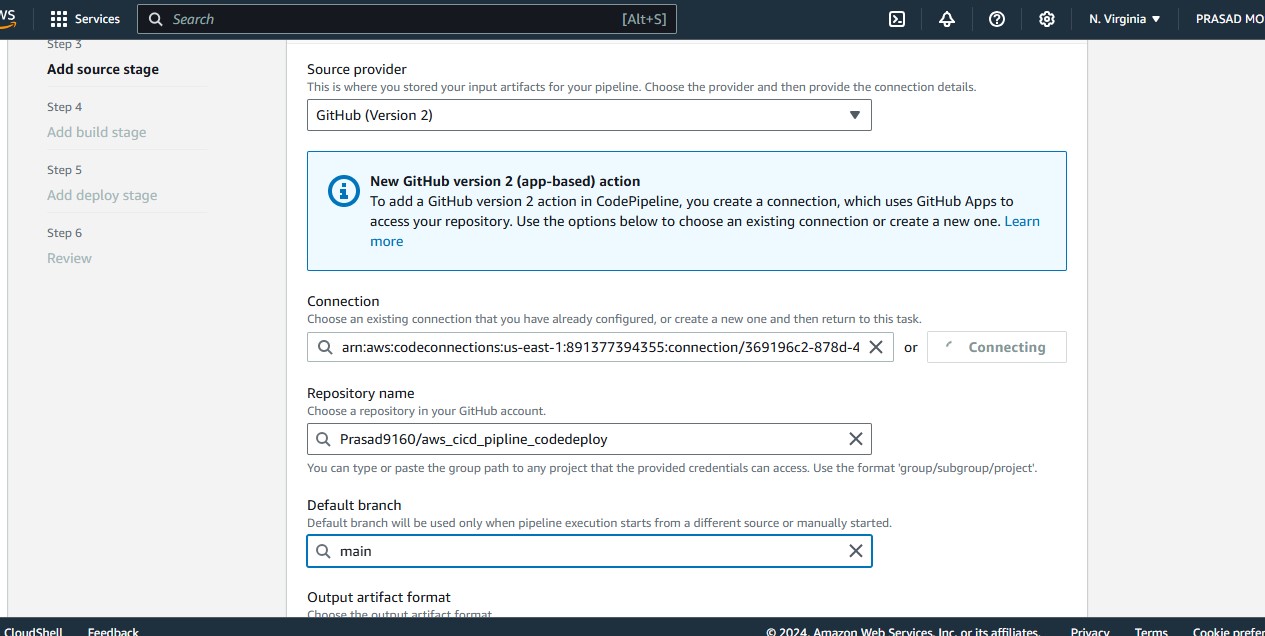


Here we give some edits in that particular code

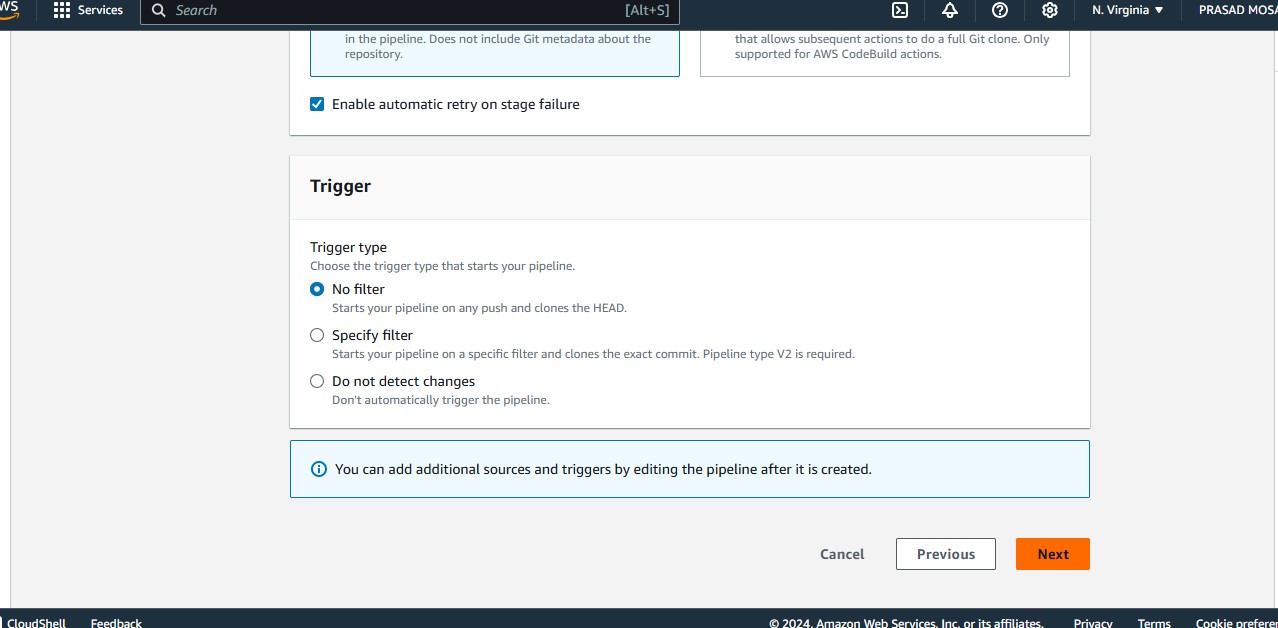




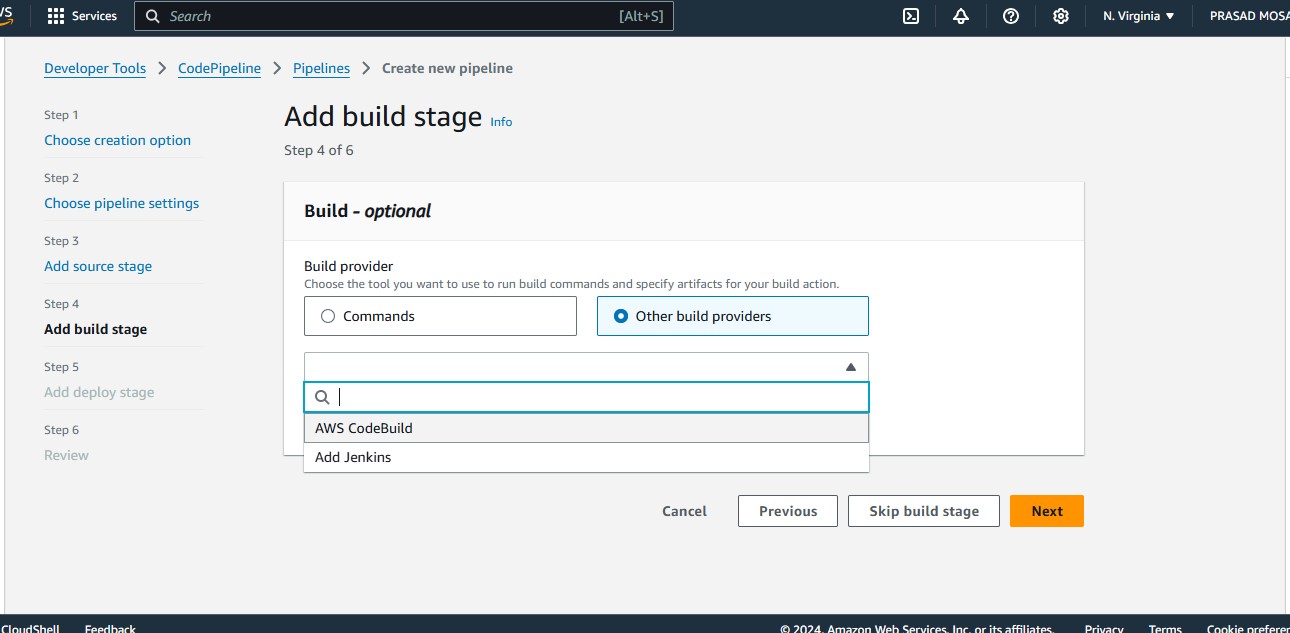
Add the source storage



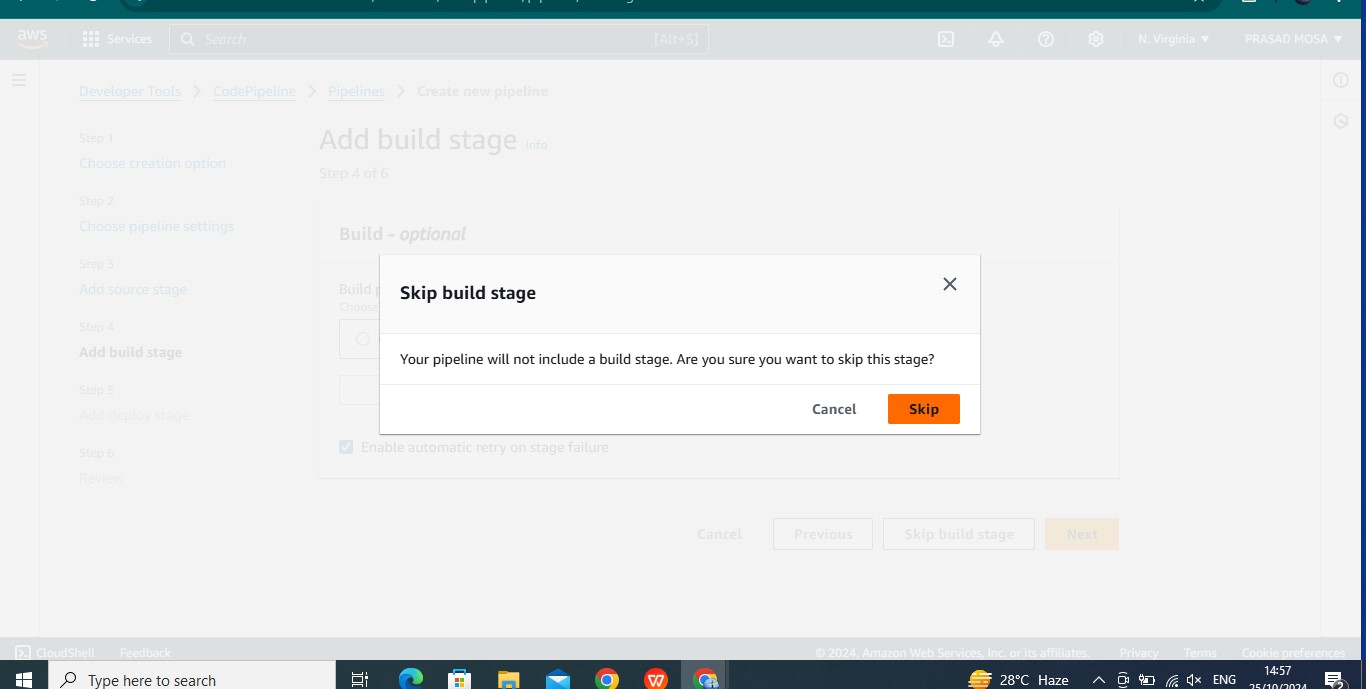
Click on next button



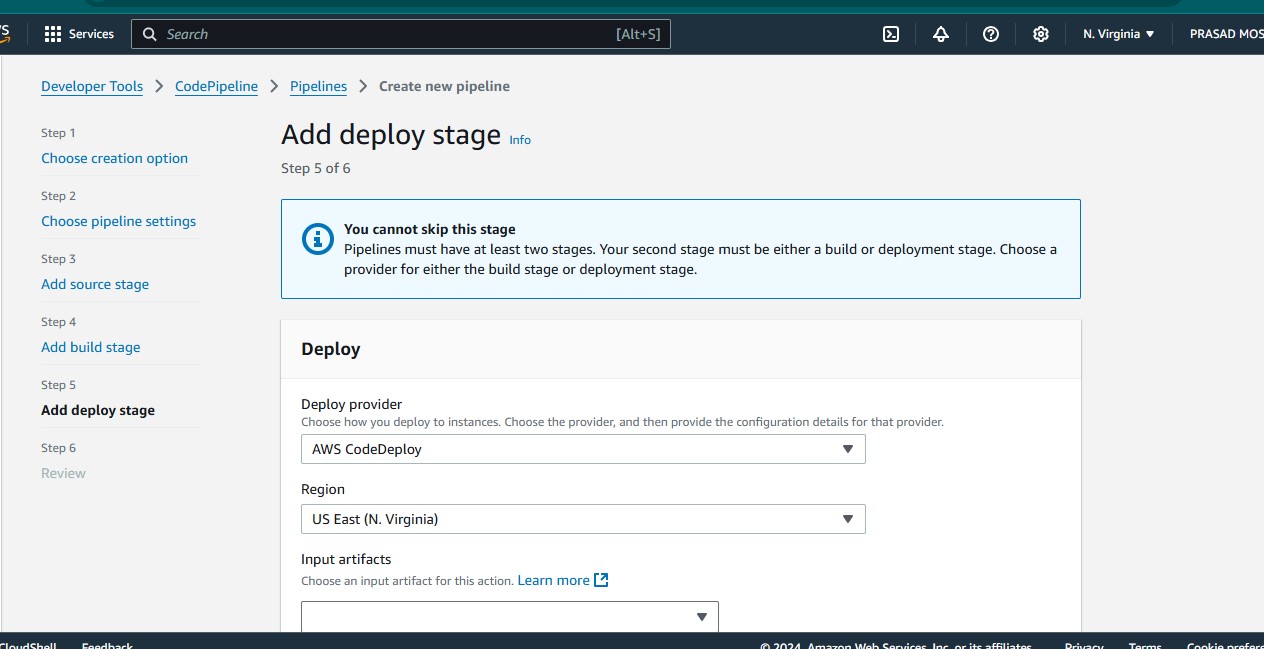
Now Add the build storage



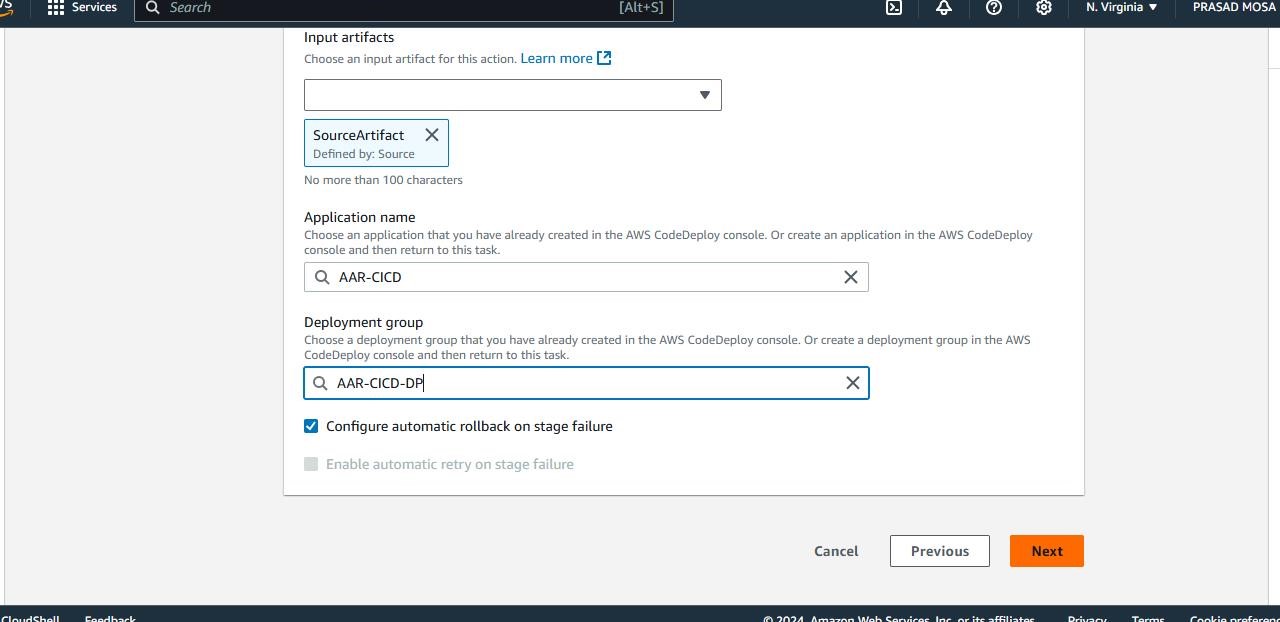
Skip the above bulid storage



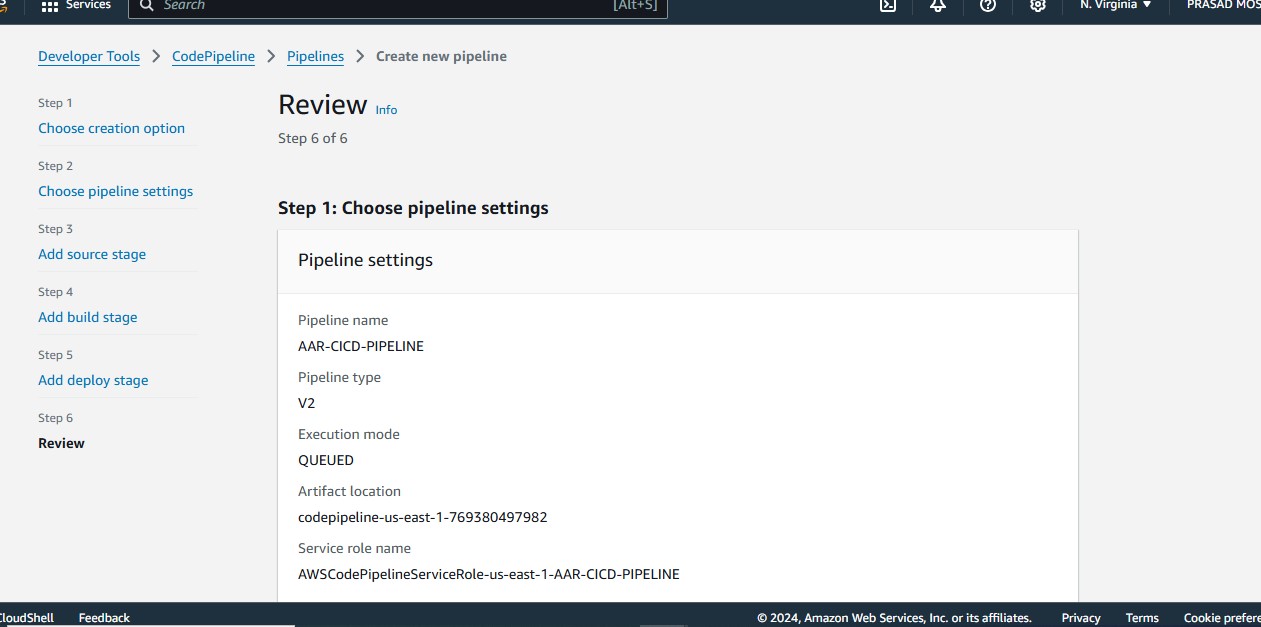
Now Add the deploy stage

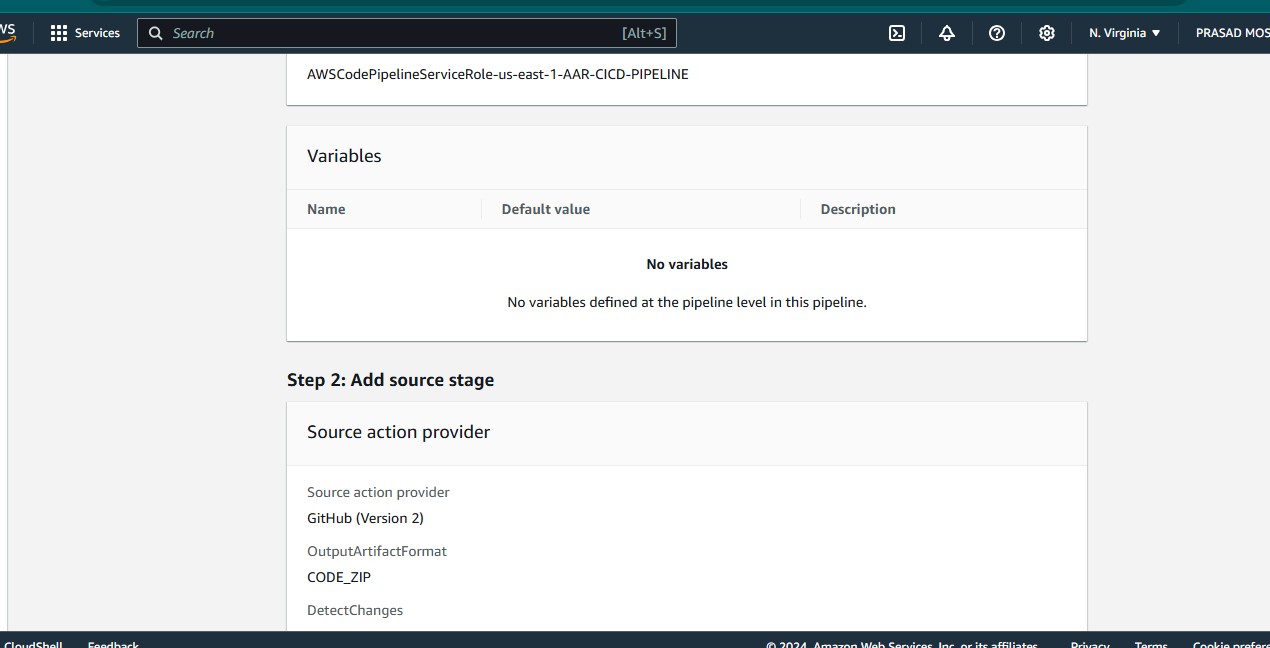


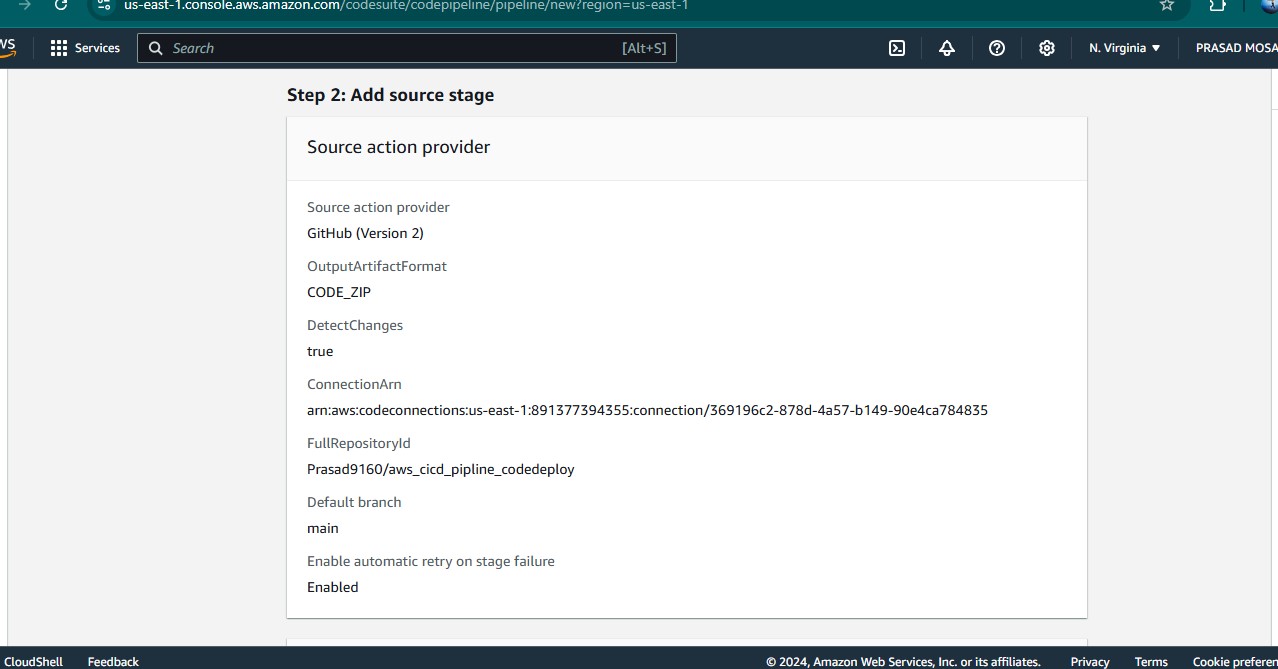
Click on the next button



Here we have to check the review of all



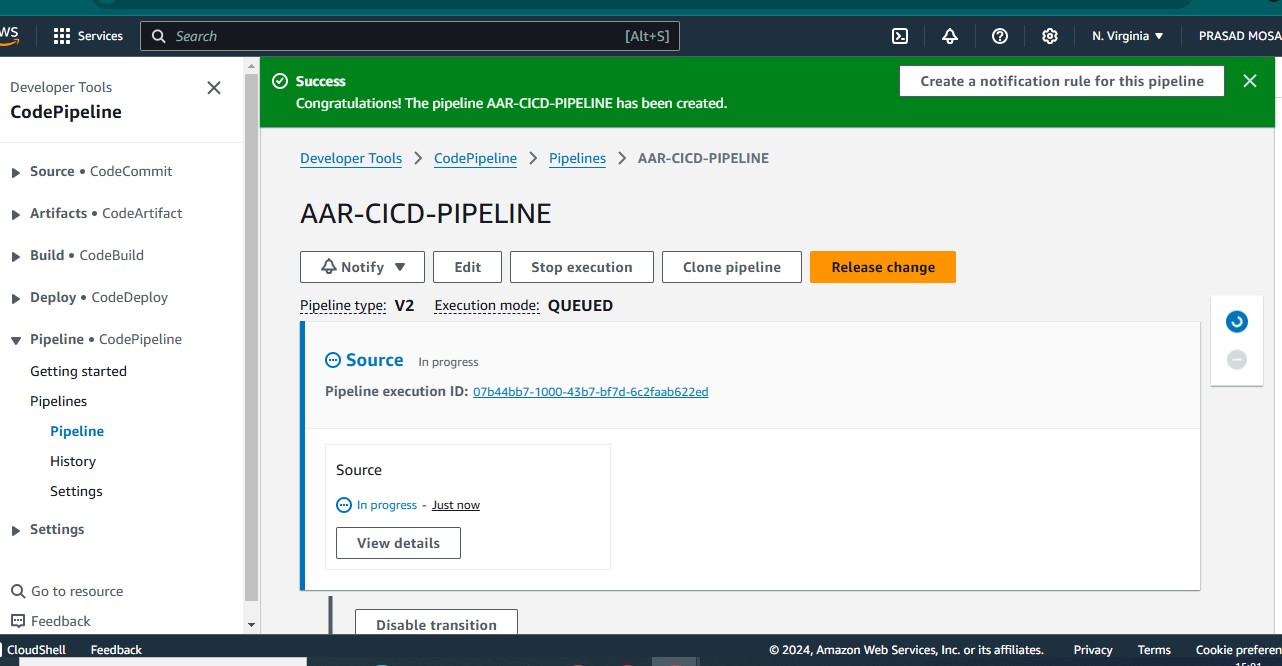


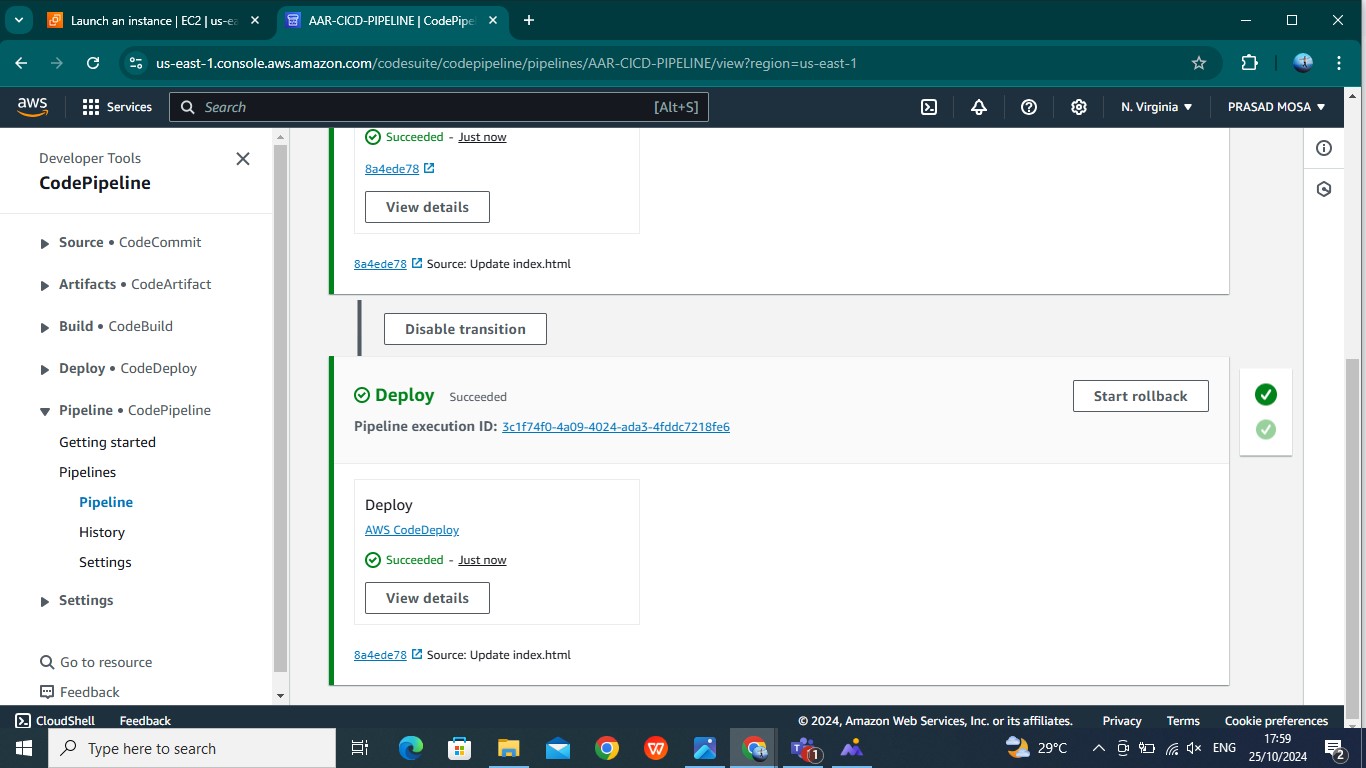


Then click on the Create pipeline

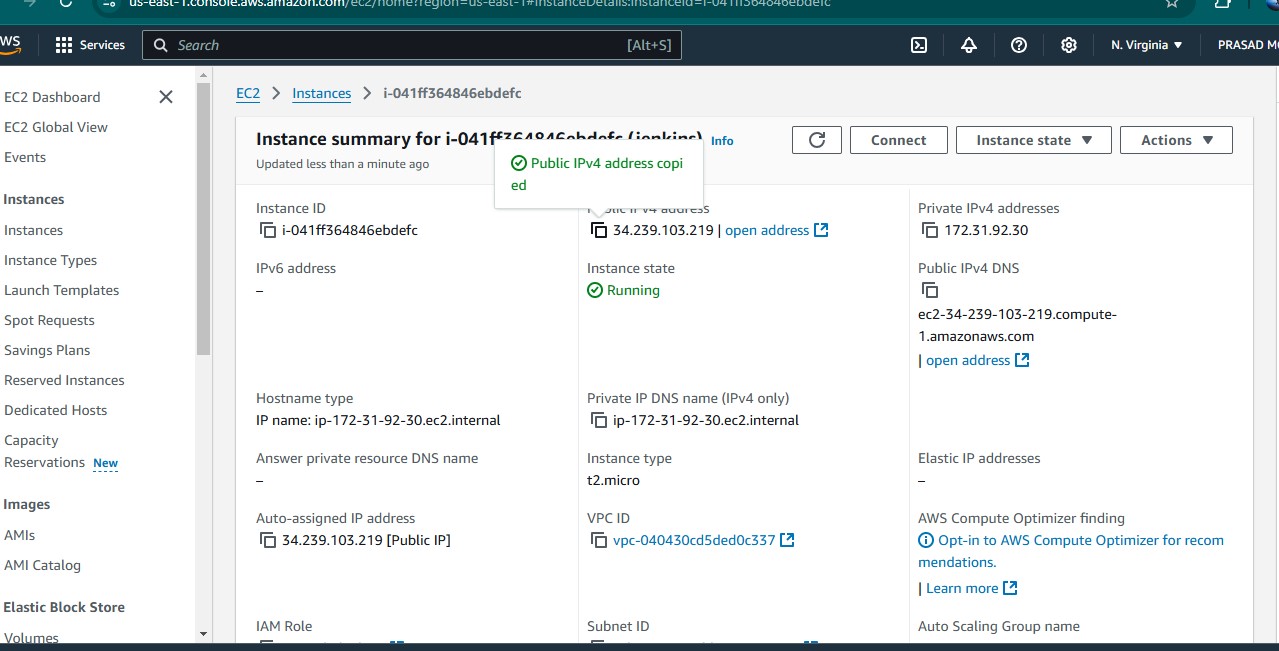


Now successfully created the Pipeline

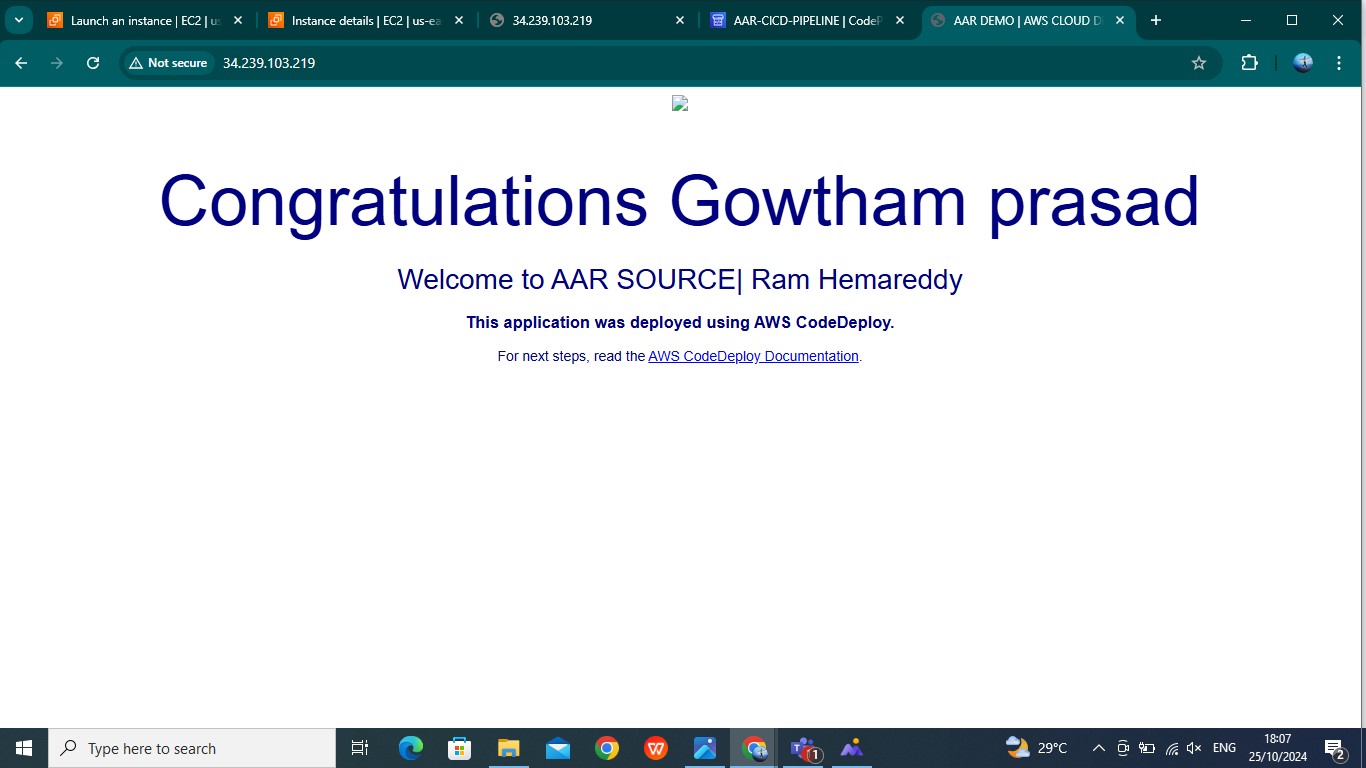




STEP6: Now Go to EC2 instance Copy Public IP address



STEP7: Now we have to paste the public IP address in browser



**Conclusion:** Following the above steps we have created code deploy