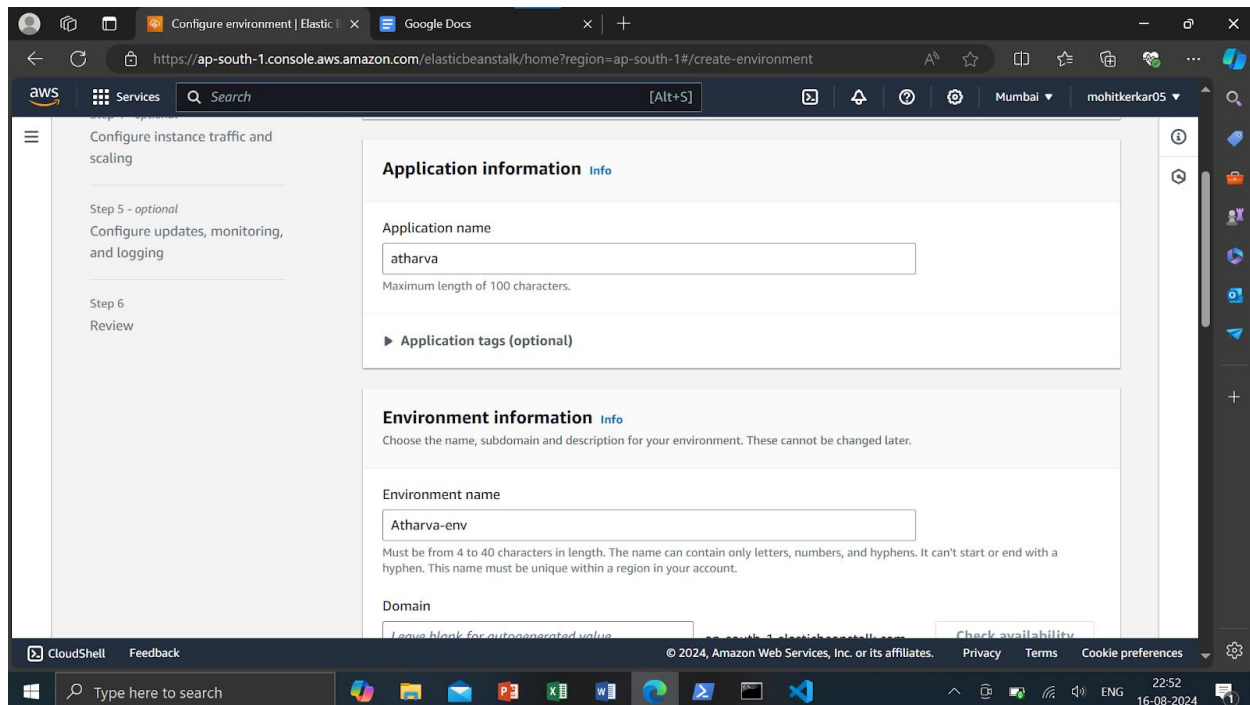


EXP 2

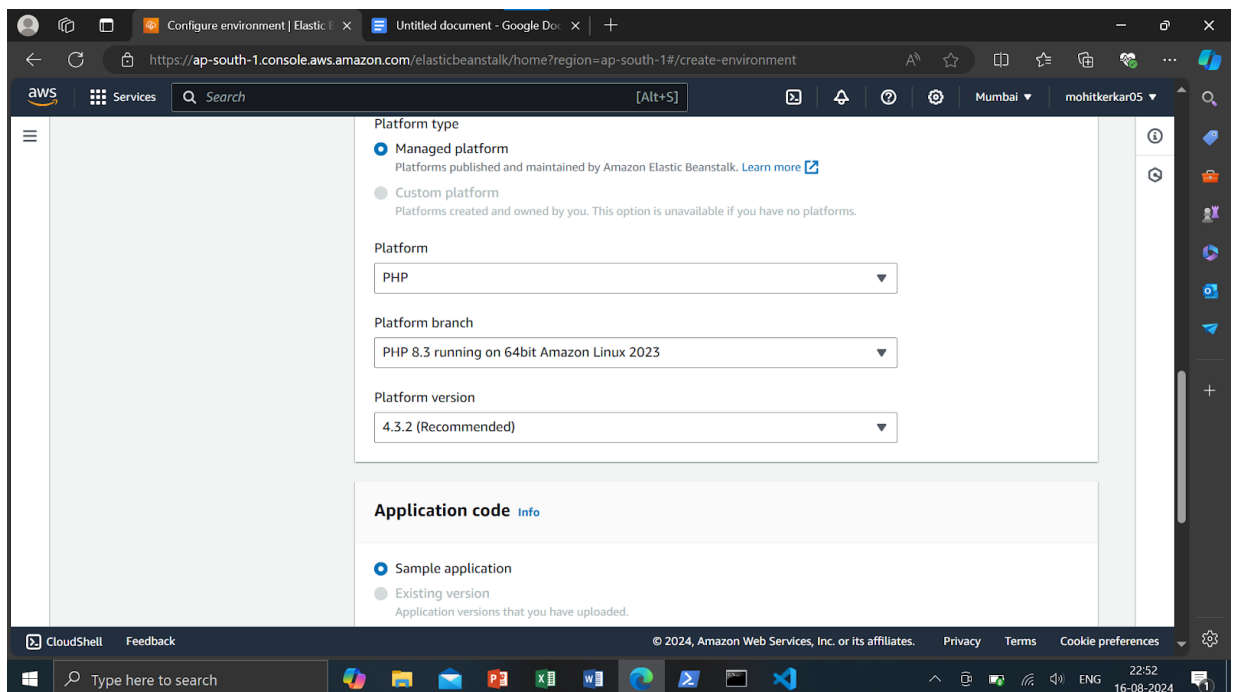
Aim: To Build Your Application using AWS CodeBuild and Deploy on S3 / SEBS using AWS CodePipeline, deploy Sample Application on EC2 instance using AWS CodeDeploy.

Create an Elastic Beanstalk environment. Give a suitable to your environment.



The screenshot shows the AWS Elastic Beanstalk console in the 'Create environment' step. The left sidebar shows the navigation menu with 'Configure instance traffic and scaling' selected. The main content area is divided into two sections: 'Application information' and 'Environment information'. In the 'Application information' section, the 'Application name' field contains 'atharva'. Below it, there is a note: 'Maximum length of 100 characters.' and a link for 'Application tags (optional)'. In the 'Environment information' section, the 'Environment name' field contains 'Atharva-env'. Below it, there is a note: 'Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It can't start or end with a hyphen. This name must be unique within a region in your account.' The 'Domain' field is empty, and there is a 'Check availability' button. The bottom of the console shows the AWS logo, 'CloudShell', 'Feedback', and a footer with '© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

Select a suitable platform for your Elastic beanstalk environment. Here, we will select PHP file

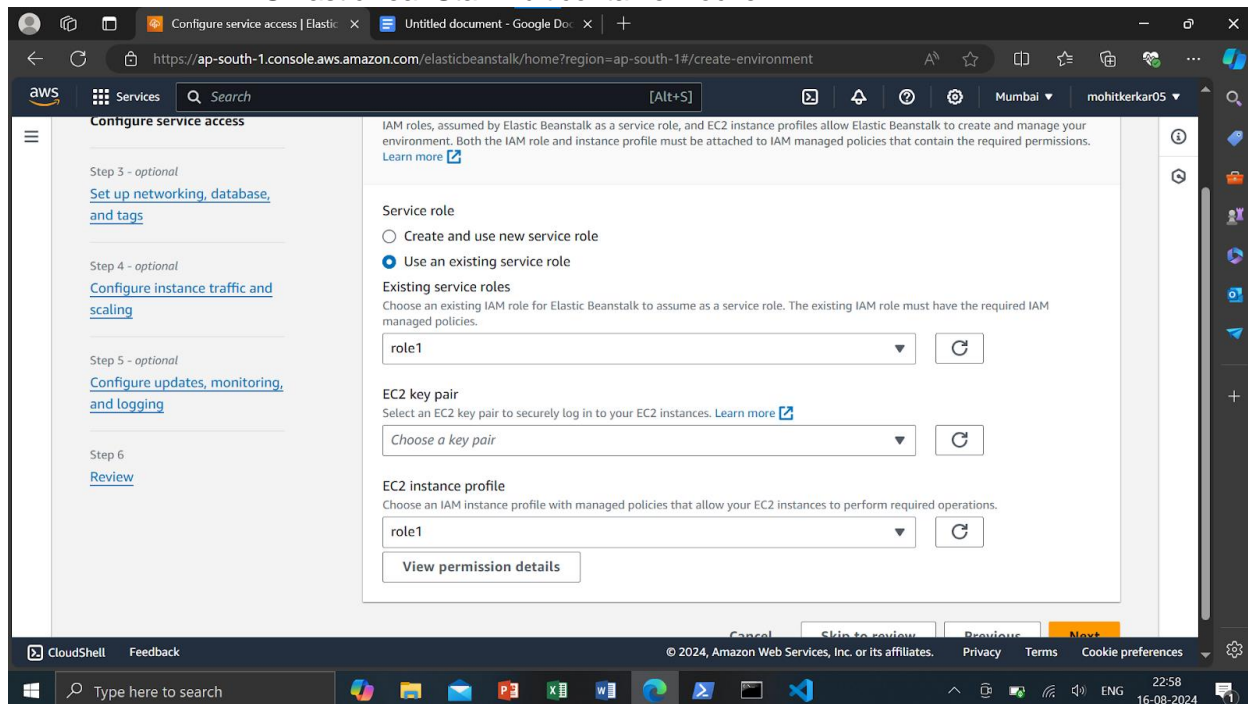


The screenshot shows the AWS Elastic Beanstalk console in the 'Create environment' step, specifically the 'Platform type' section. The 'Managed platform' option is selected. Below it, there is a note: 'Platforms published and maintained by Amazon Elastic Beanstalk. Learn more'. The 'Custom platform' option is also visible, with a note: 'Platforms created and owned by you. This option is unavailable if you have no platforms.' The 'Platform' dropdown menu is set to 'PHP'. The 'Platform branch' dropdown menu is set to 'PHP 8.3 running on 64bit Amazon Linux 2023'. The 'Platform version' dropdown menu is set to '4.3.2 (Recommended)'. The 'Application code' section shows 'Sample application' selected. Below it, there is a note: 'Application versions that you have uploaded.' The bottom of the console shows the AWS logo, 'CloudShell', 'Feedback', and a footer with '© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

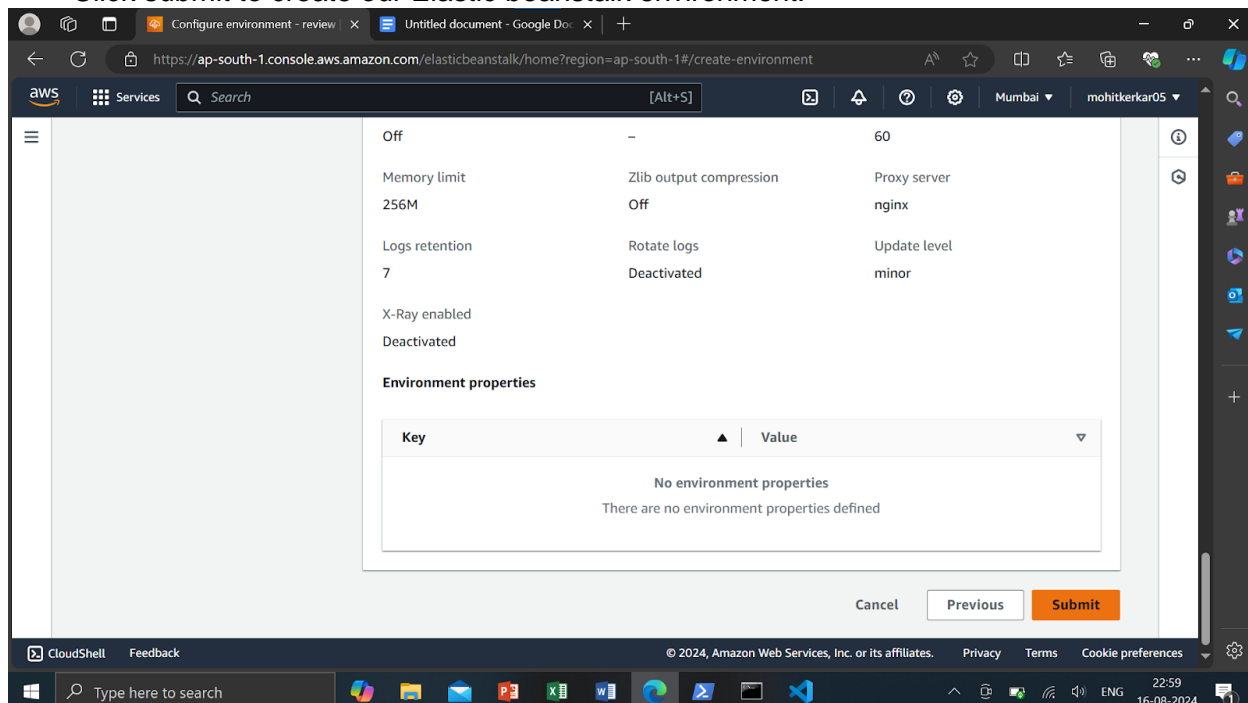
Next, we will have to give access to our Elastic beanstalk environment to carry out its tasks. For this, we have to grant certain permissions to the role, component or the entity that we will create.

Following our permissions that we are supposed to grant to our role.

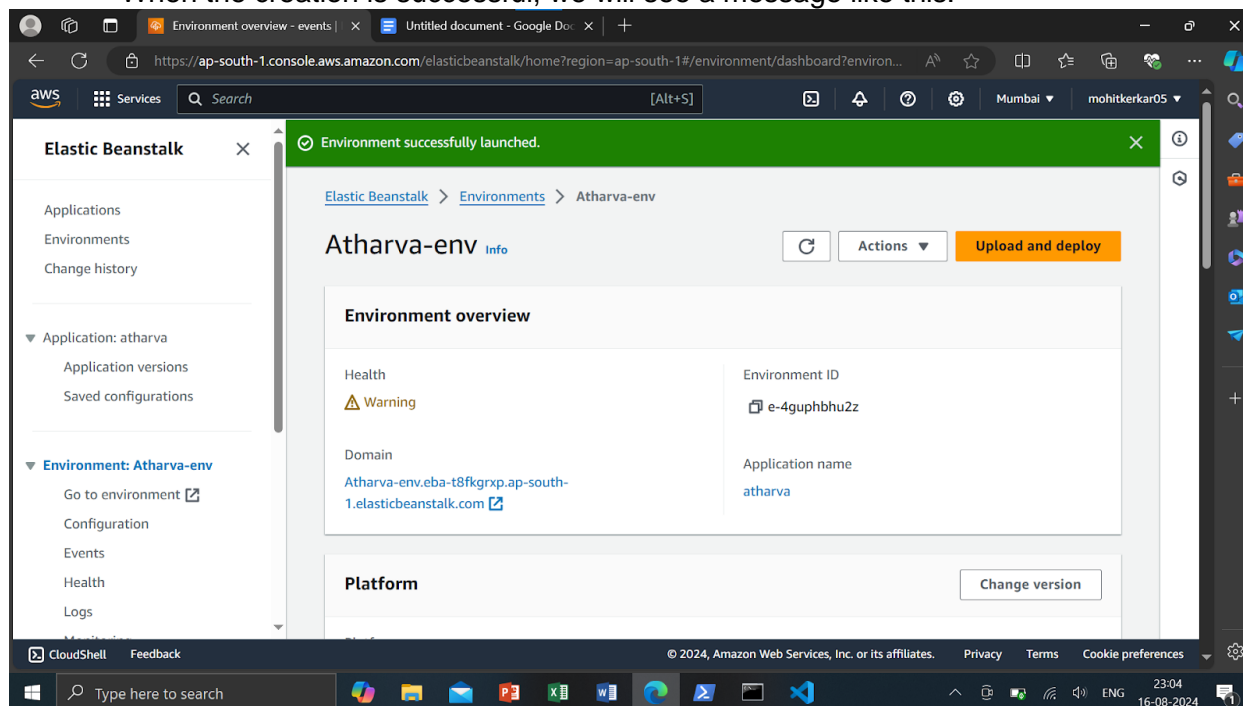
- AWSElasticBeanStalkWebTier
- AWSElasticBeanStalkWorkerTier
- AWSElasticBeanStalkMulticontainerDocker



Click submit to create our Elastic beanstalk environment.

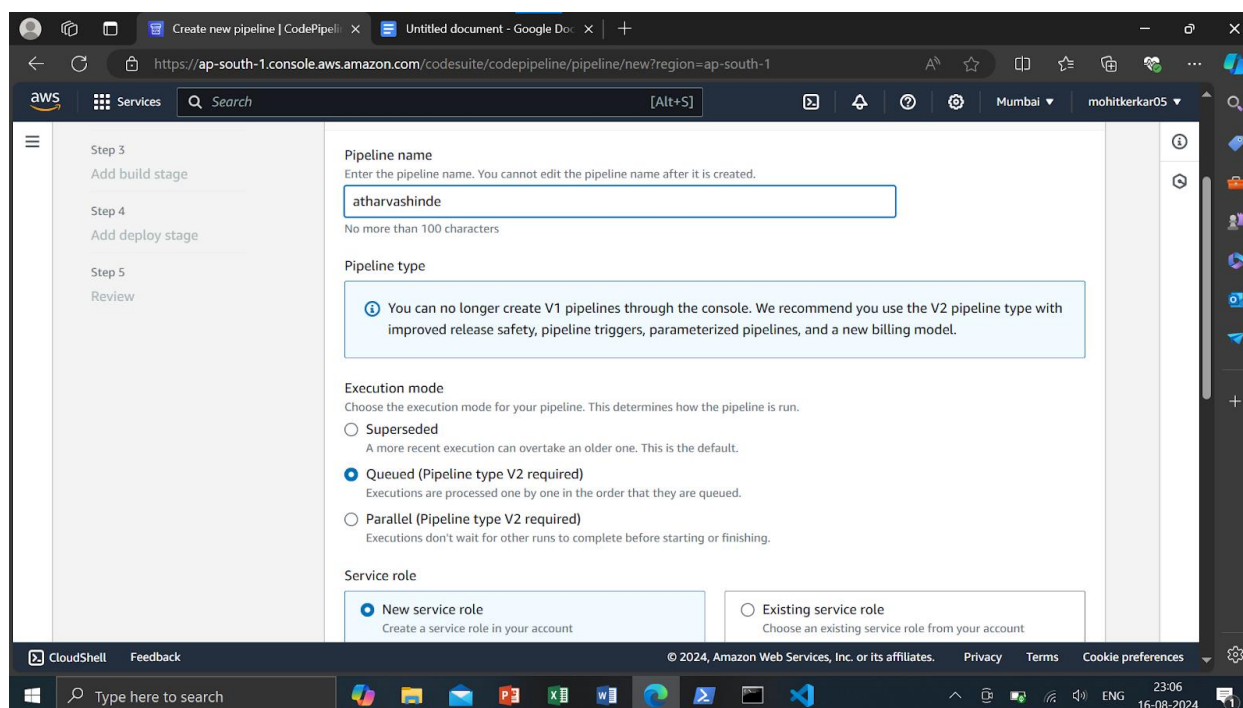


When the creation is successful, we will see a message like this.

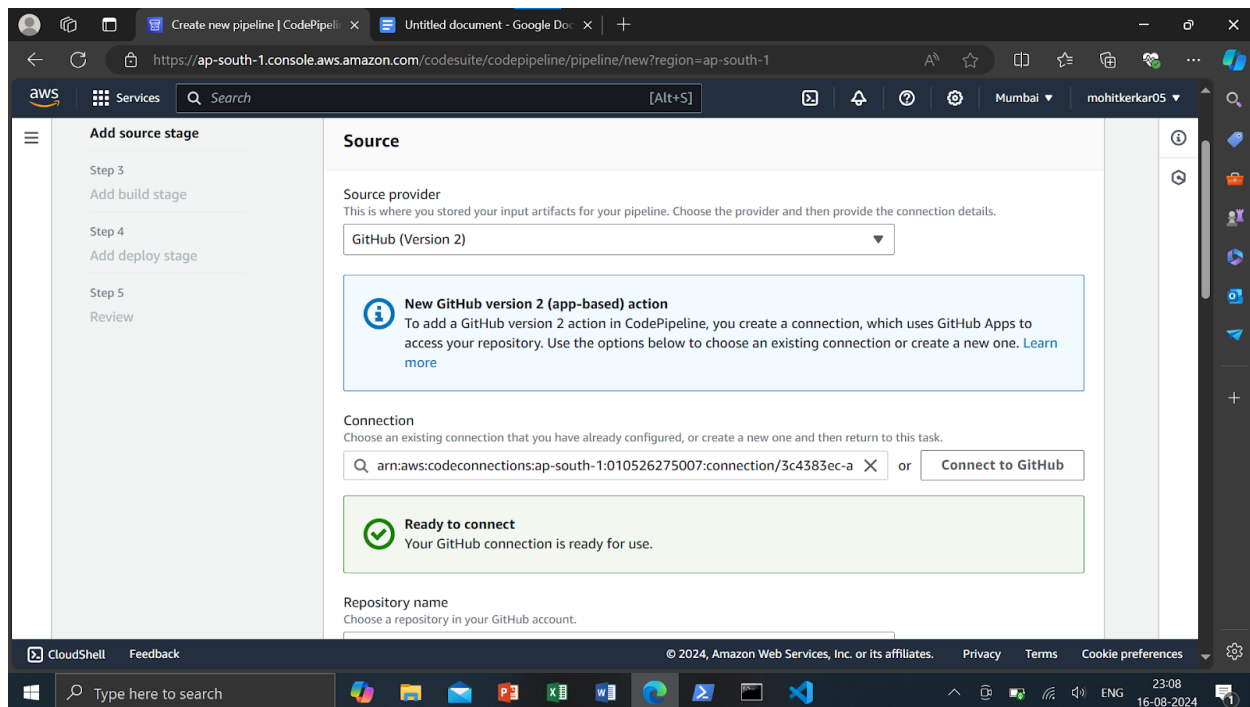


Now, We need to create a pipeline

To create a pipeline go to services → pipeline → create pipeline



Post the establishment of the connection, this is the message that is displayed. We can further select the branch of our repository that we want to connect.



We are expected to skip the build stage and move towards the deployment step. In the deployment step we are supposed to choose the Elastic Beanstalk application and the environment that we created earlier and proceed with our pipeline creation

Asia Pacific (Mumbai)

Input artifacts
Choose an input artifact for this action. [Learn more](#)

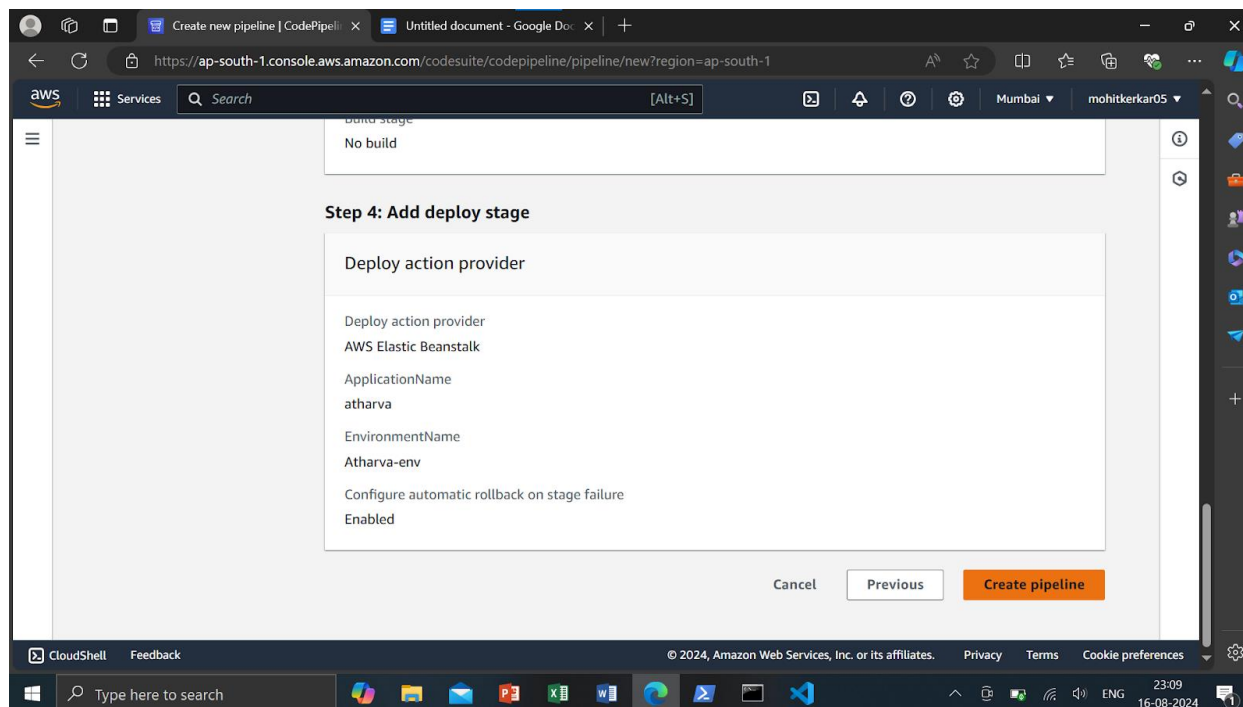
No more than 100 characters

Application name
Choose an application that you have already created in the AWS Elastic Beanstalk console. Or create an application in the AWS Elastic Beanstalk console and then return to this task.

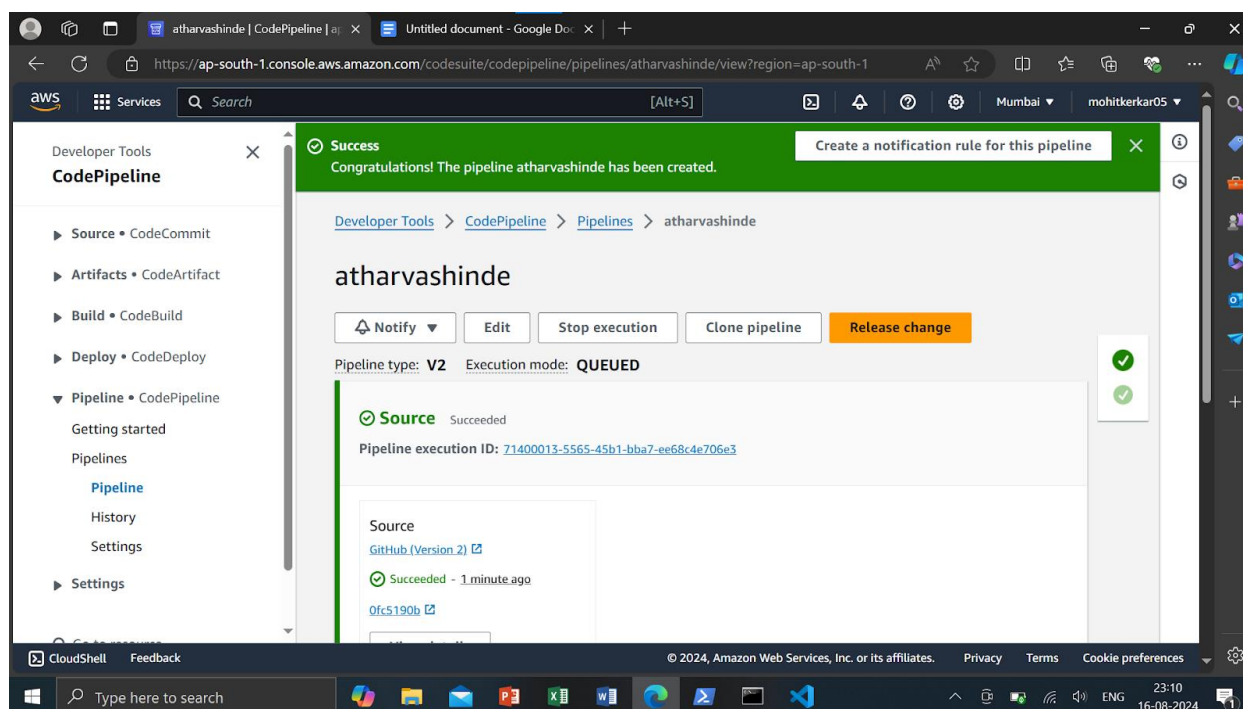
Environment name
Choose an environment that you have already created in the AWS Elastic Beanstalk console. Or create an environment in the AWS Elastic Beanstalk console and then return to this task.

☒ Configure automatic rollback on stage failure

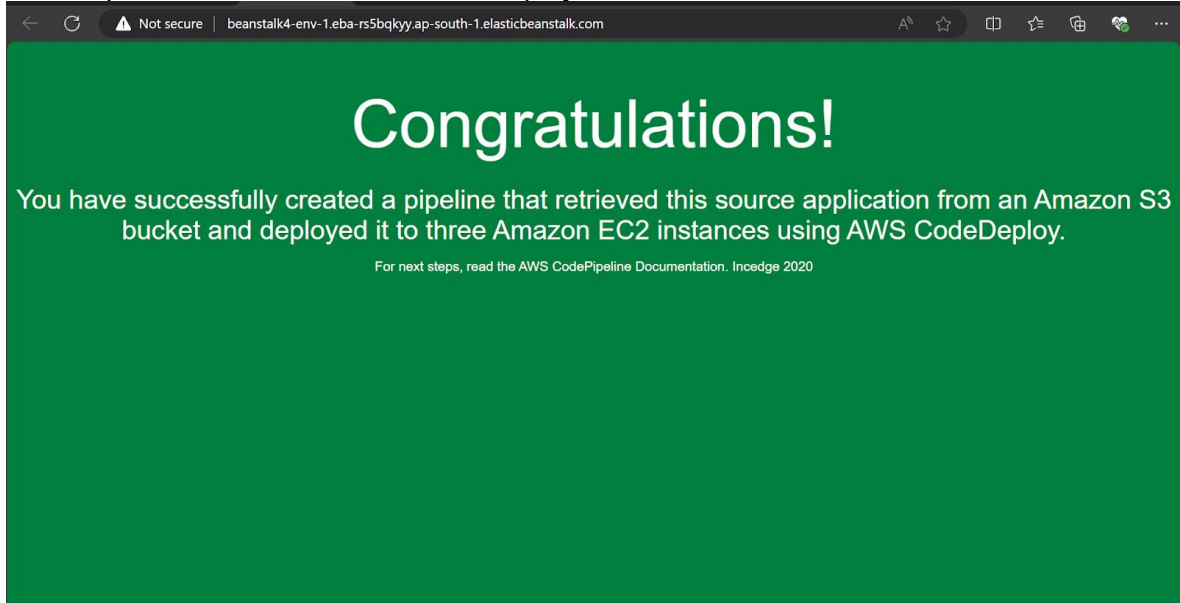
Cancel Previous Next



Step 6: Post deployment stage: When all the stages run successfully, this is what is displayed onto the screen. It shows us that our application and our environment have successfully beendeployed using a dedicated pipeline created



2. The output will show after successful deployment.



- 3.

