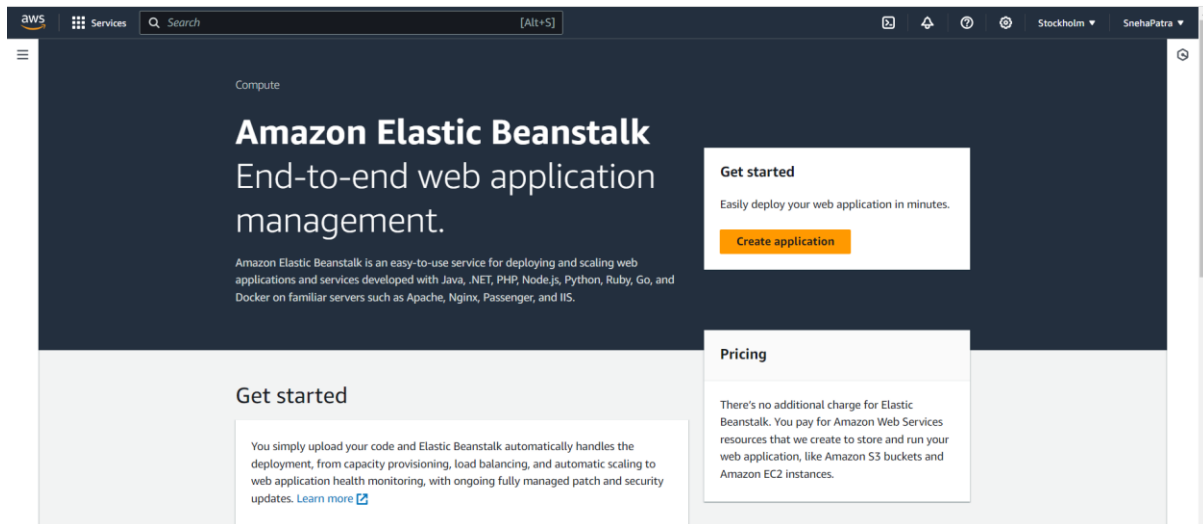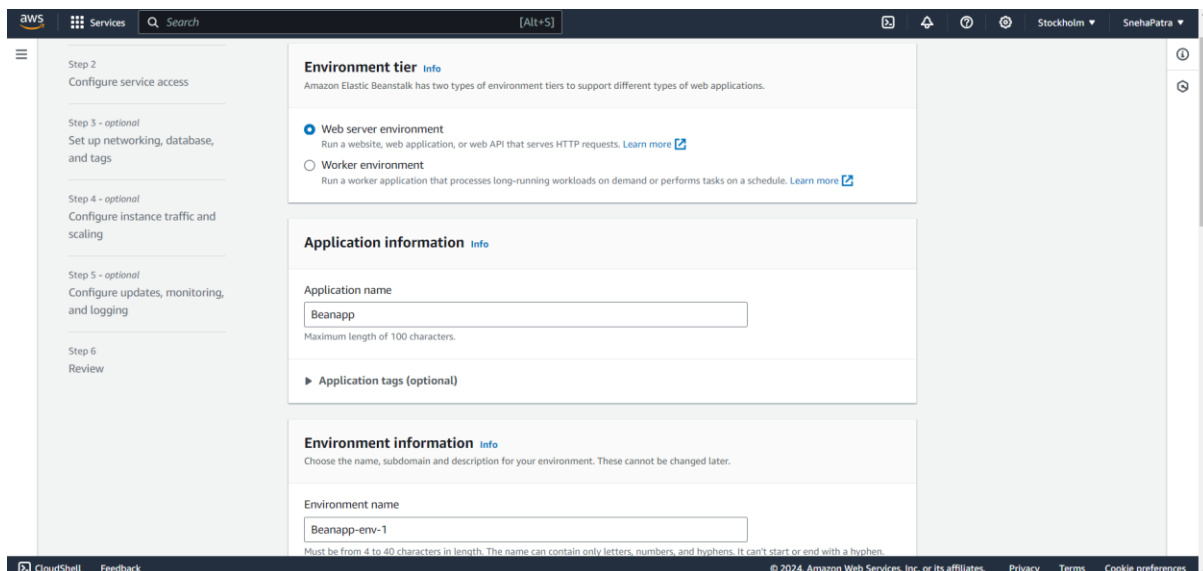## EXPERIMENT 2- BEANSTALK

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.

1. Open the aws console and then search Elastic Beanstalk and click on create application.

2. Configure the environment by adding your application name.

3. Choose PHP and click next.

4. Add your key pair and also select EC2 instance profile.

5. After selecting skip to review then select submit.
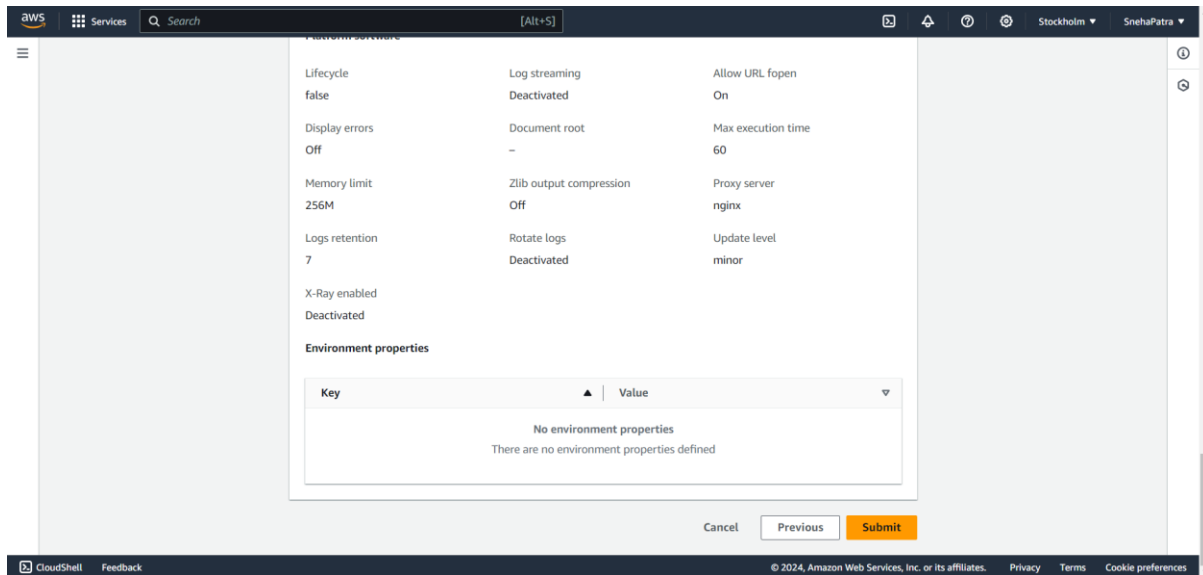
6. Your sample environment is created for you to deploy your application.
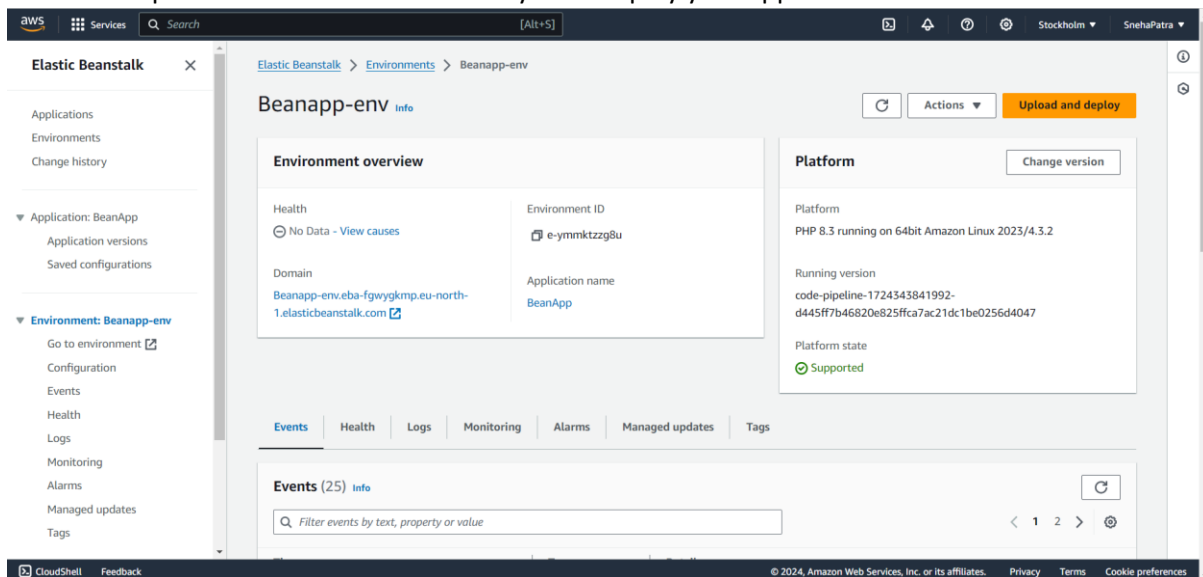
NOW LET US CREATE PIPELINE:

1.Select CodePipeline and create a new pipeline

2.Name Your pipeline.

Role name

AWSCodePipelineServiceRole-eu-north-1-snehapipeline

Type your service role name

☑ Allow AWS CodePipeline to create a service role so it can be used with this new pipeline

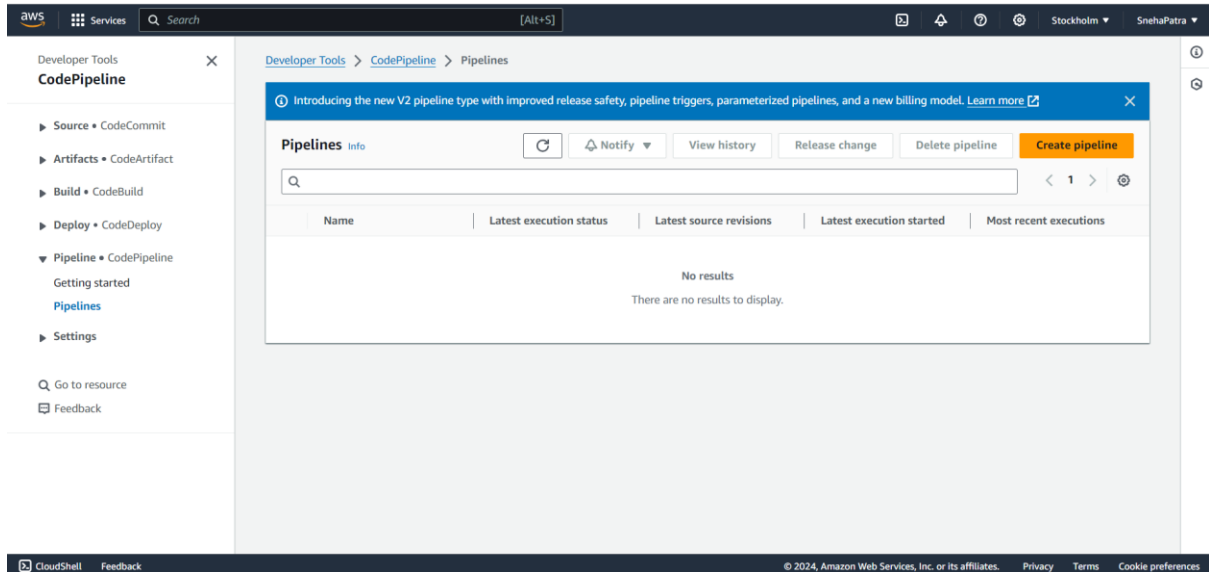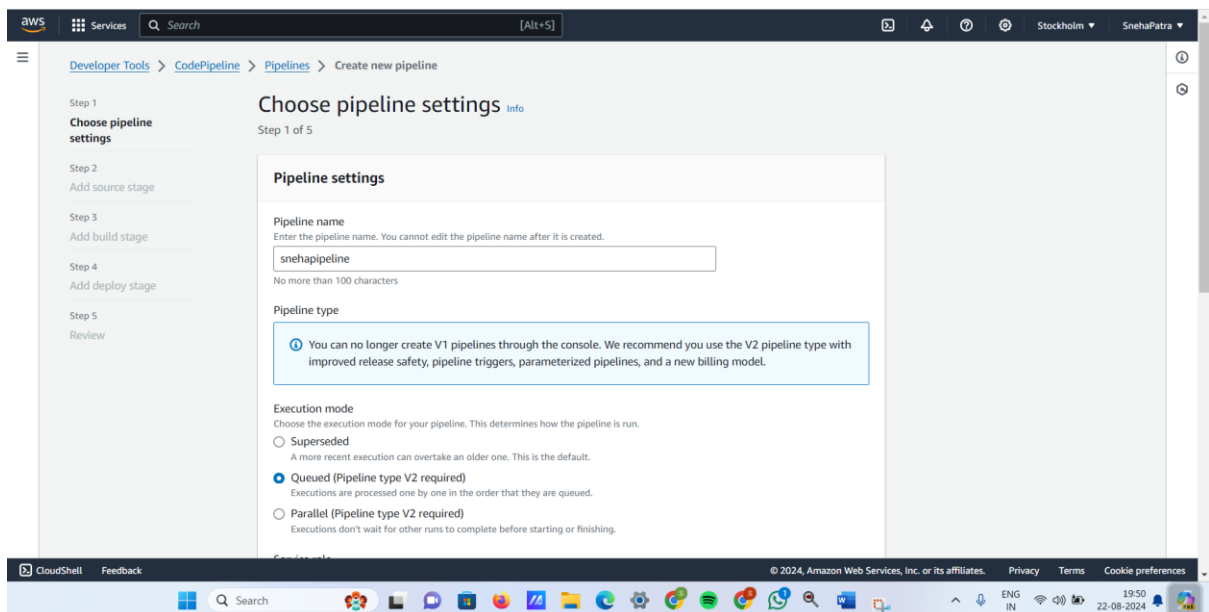**Variables**

You can add variables at the pipeline level. You can choose to assign the value when you start the pipeline. Choosing this option requires pipeline type V2. Learn more ☒

No variables defined at the pipeline level in this pipeline.

Add variable

You can add up to 50 variables.

ⓘ The first pipeline execution will fail if variables have no default values.

▶ Advanced settings

Cancel   **Next**

4. In the source stage select Github v2 as the provider and then connect your github.

AWS Connector for GitHub by **Amazon Web Services** would like permission to:

Verify your GitHub identity (Sneha0321)

Know which resources you can access

Act on your behalf
ⓘ Learn more

Learn more about AWS Connector for GitHub

Cancel   **Authorize AWS Connector for GitHub**

Authorizing will redirect to
https://redirect.codestar.aws

⊘ **Not** owned or operated by GitHub

🕓 Created **4 years ago**

Install **AWS Connector for GitHub**

Install on your personal account Sneha0321

for these repositories:

● **All repositories**
This applies to all current *and* future repositories owned by the resource owner.
Also includes public repositories (read-only).

○ **Only select repositories**
Select at least one repository.
Also includes public repositories (read-only).

with these permissions:

eu-north-1.console.aws.amazon.com/codesuite/settings/connections/create/github?re...

aws | Services | More ▼

Developer Tools > ... > Create connection

Connect to GitHub

GitHub connection settings Info

Connection name

```
myconnection
```

App installation - *optional*
Install GitHub App to connect as a bot. Alternatively, leave it blank to connect as a GitHub user, which can be used in AWS CodeBuild projects.

```
🔍 53902292                    ✕
```
or **Install a new app**

▶ **Tags - *optional***

Connect

CloudShell   Feedback   Privacy   Terms   Cookie preferences
© 2024, Amazon Web Services, Inc. or its affiliates.

5. After establishing connection select repository and branch name.

6. Add deploy stage.

7. Review your pipeline.

8. Now your pipeline is created.

9. This is the website hosted in our beanstalk environment.
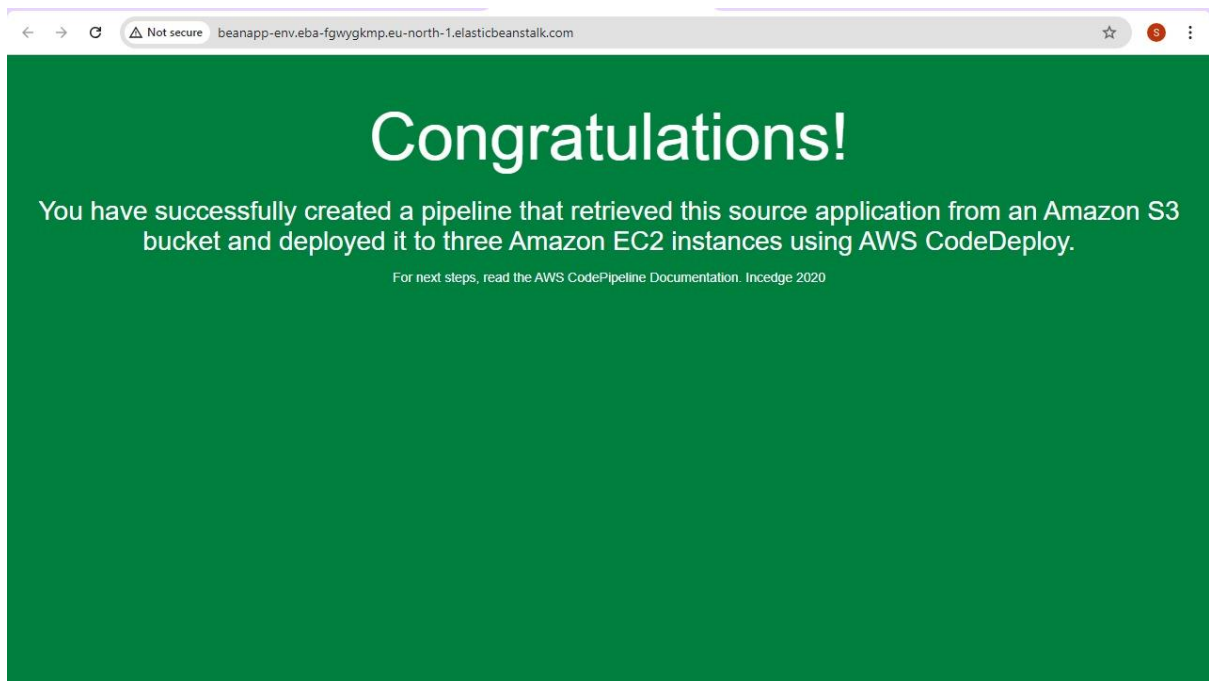
10. Go to the repository and make the changes in the index.html file and commit them
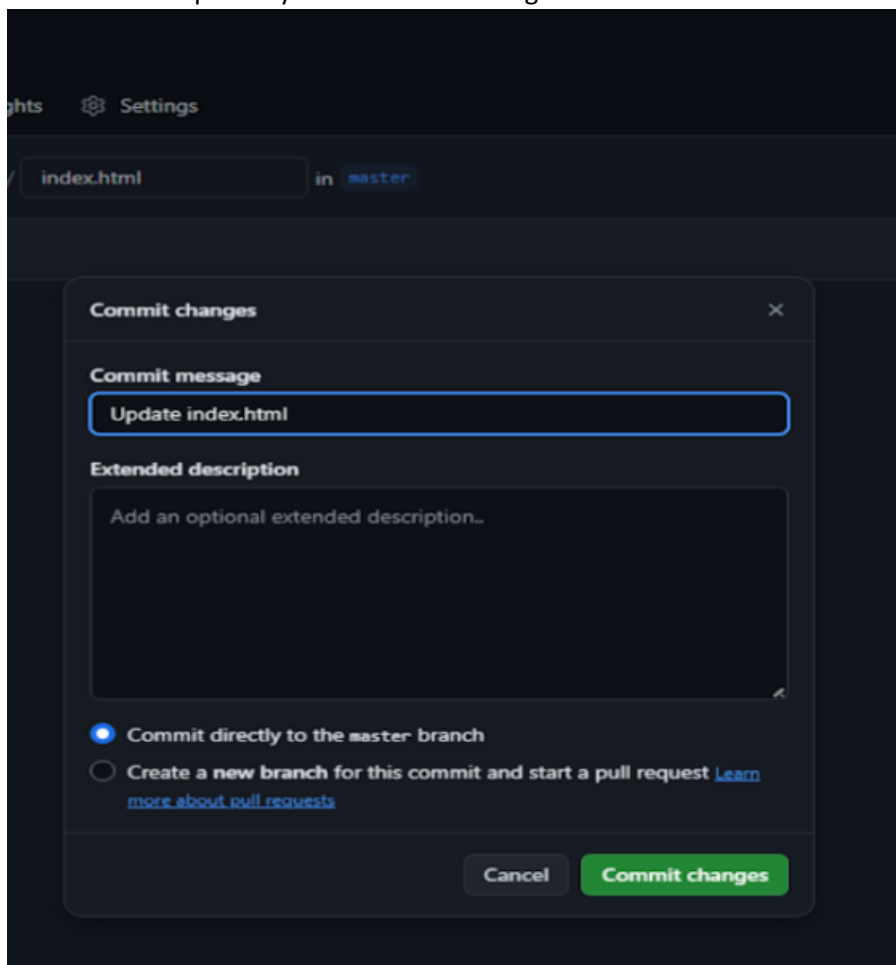
11.The changes that are committed will reflect on url once you refreshed it.

Congratulations!This is my first deployment-Sneha Patra D15A 41

You have successfully created a pipeline that retrieved this source application from an Amazon S3 bucket and deployed it to three Amazon EC2 instances using AWS CodeDeploy.

For next steps, read the AWS CodePipeline Documentation. Incedge 2020