PROJECT NAME

Deploying a Node.js application with DynamoDB to Elastic Beanstalk

PREPARED BY,
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```
a=int(input())
```

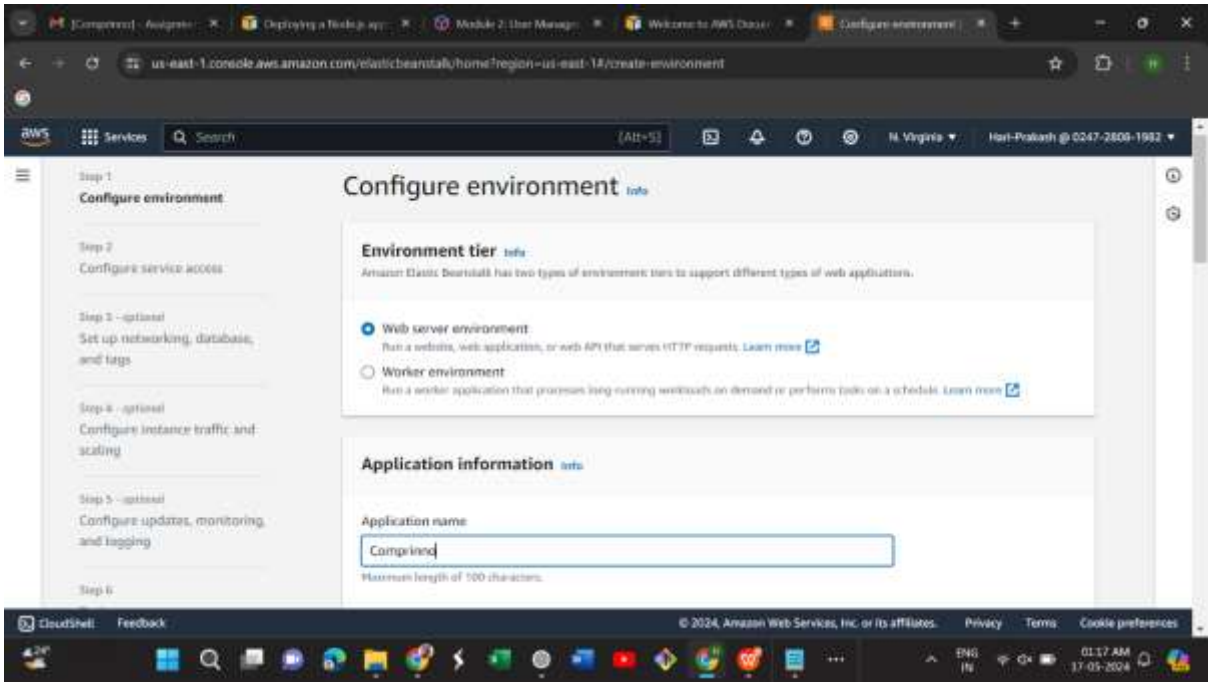
- Amazon DynamoDB is a NoSQL database used to run high-performance applications at any scale.

- It is unmatched when your application requires high read/write throughput with single-digit performance and limitless scalability across multiple Regions..

Elastic Beanstalk :

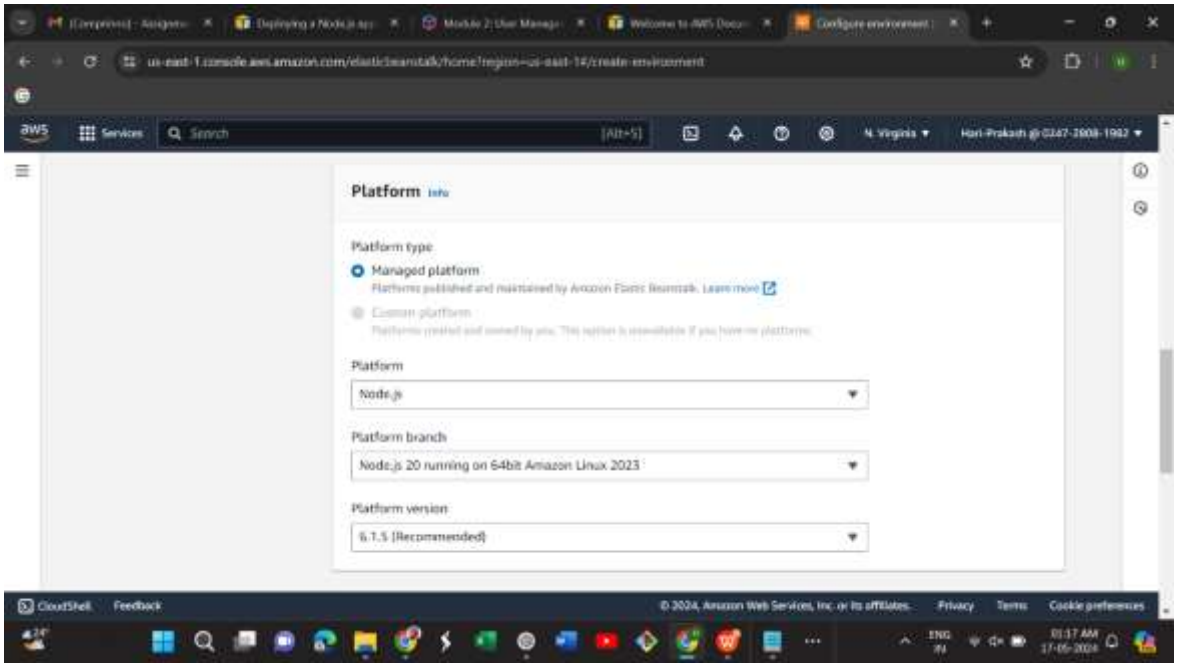
- With Elastic Beanstalk, you can quickly deploy and manage applications in the AWS Cloud without having to learn about the infrastructure that runs those applications.

- You simply upload your application, and Elastic Beanstalk automatically handles the details of capacity provisioning, load balancing, scaling, and application health monitoring.



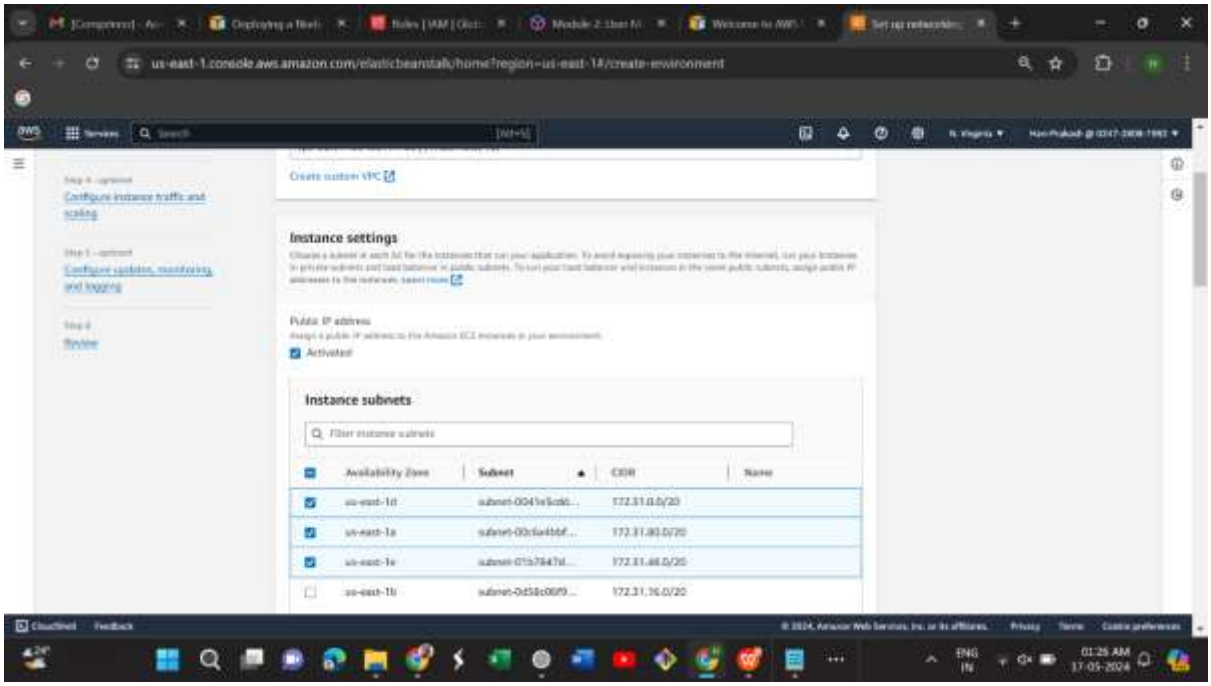
Step1:

- In the AWS Management console, go to Elastic Beanstalk.
- Then select webserver as the enviroment
- Then provide the Application name as the Comprinno



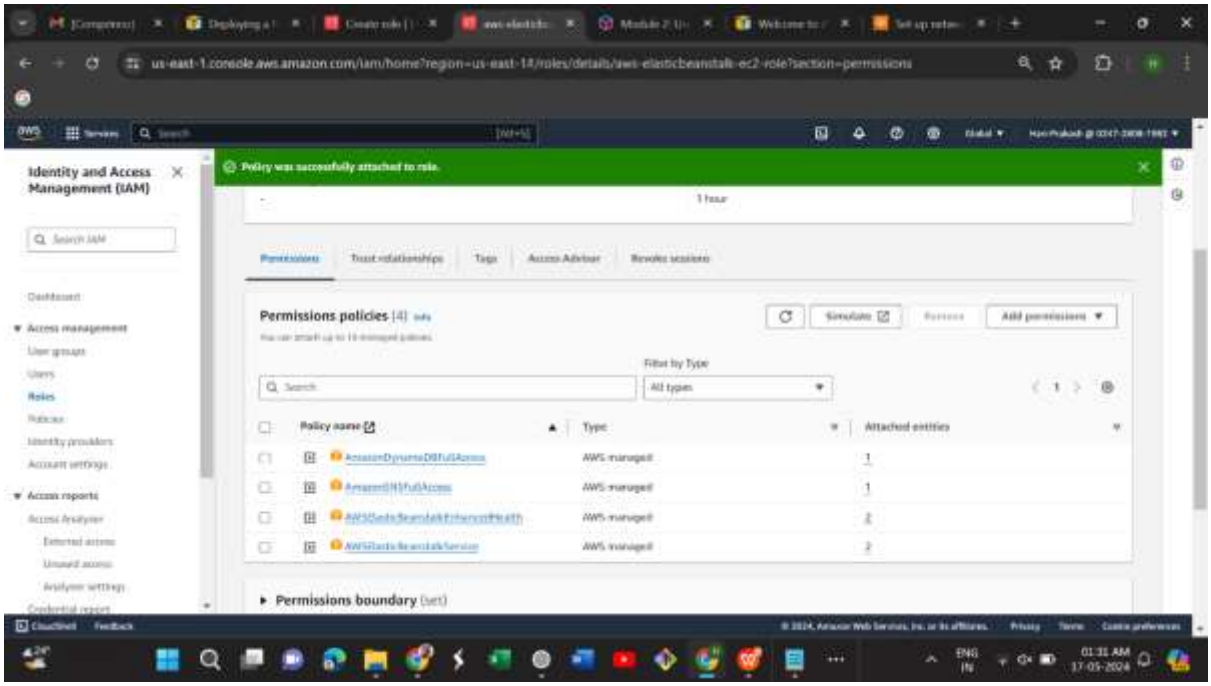
Step2:

- Choose the Platform as Node.js
- Make sure to select the sample application as your application code



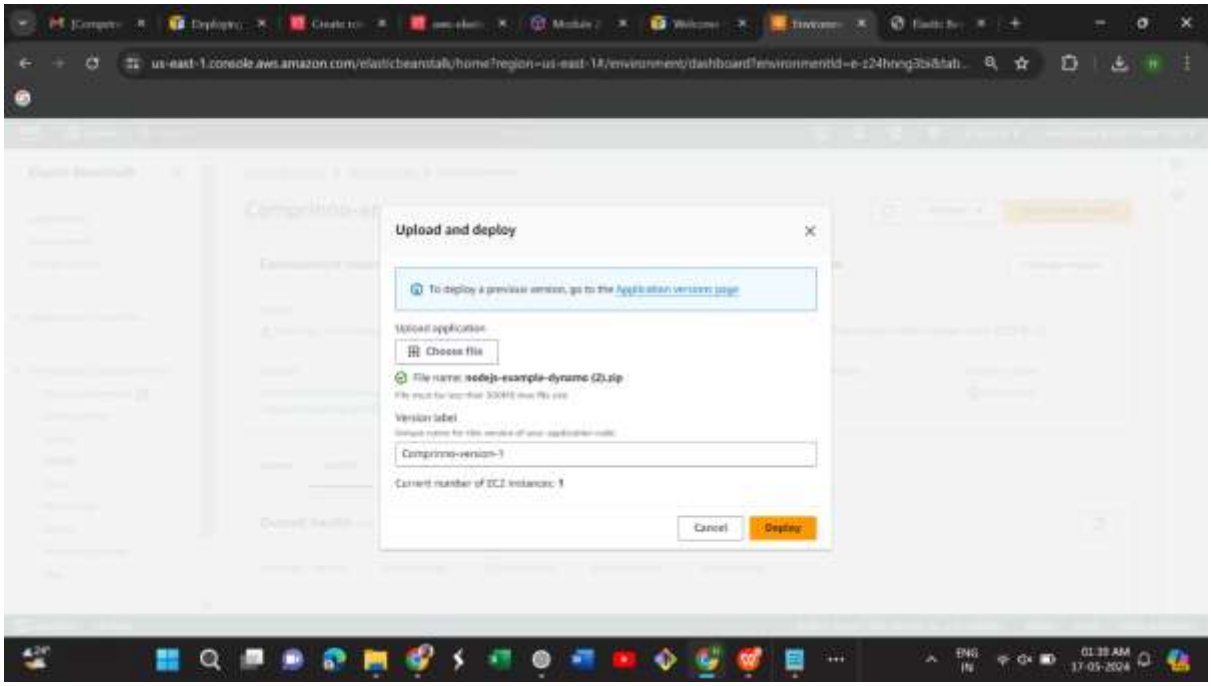
Step 3:

- Select the required VPC
- Select the required subnets available in Multi AZ



Step 4:

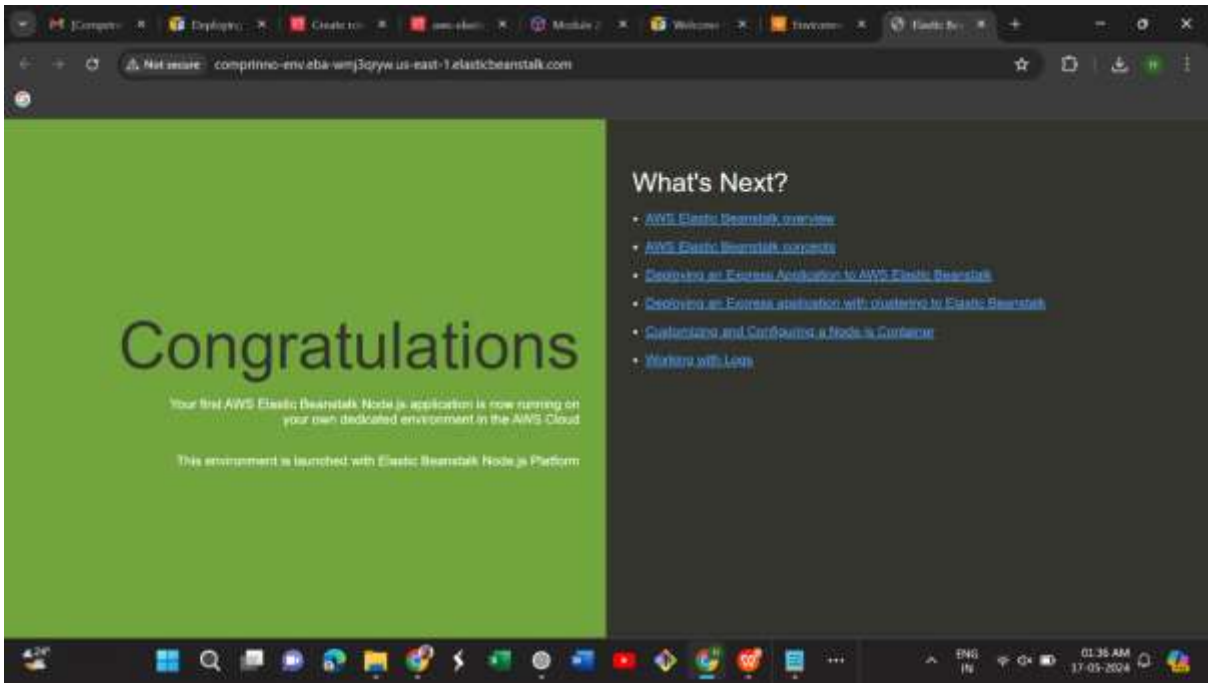
- Go to the IAM,create role aws-elasticbeanstalk-ec2-role
- On the Permissions tab, choose Attach policies
- select AmazonSNSFullAccess and AmazonDynamoDBFullAccess and attach policy

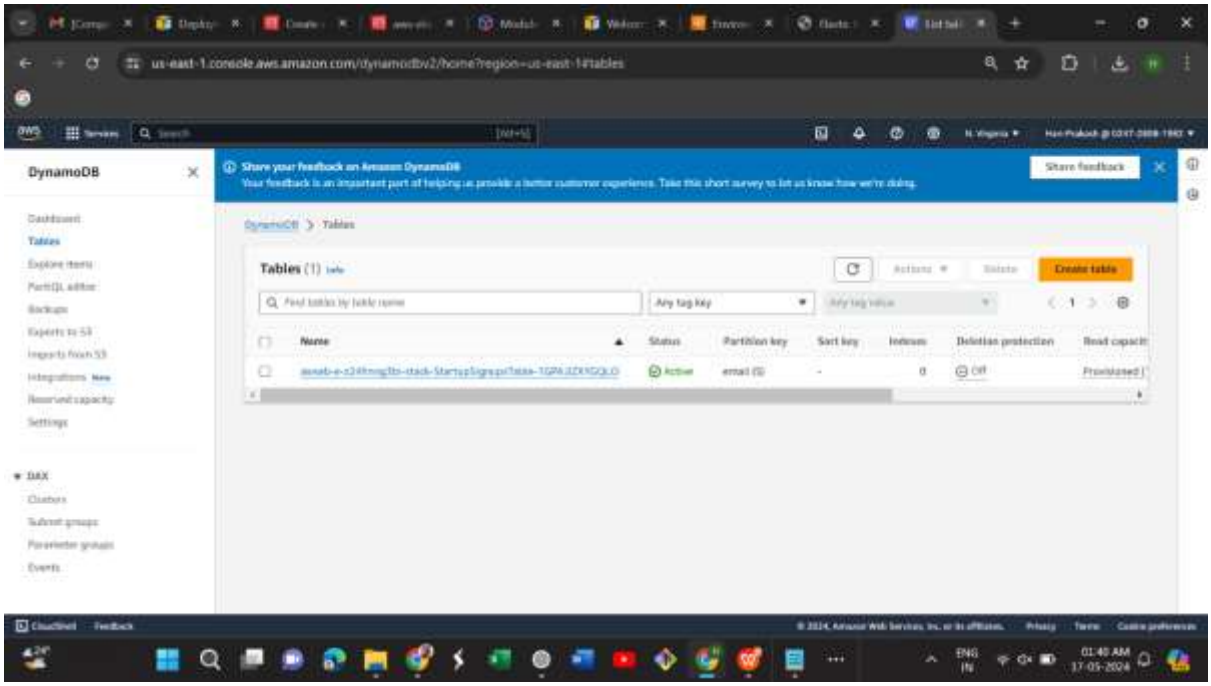


Step 6:

- Go to the Beanstalk, then upload the zip file downloaded from the workshop

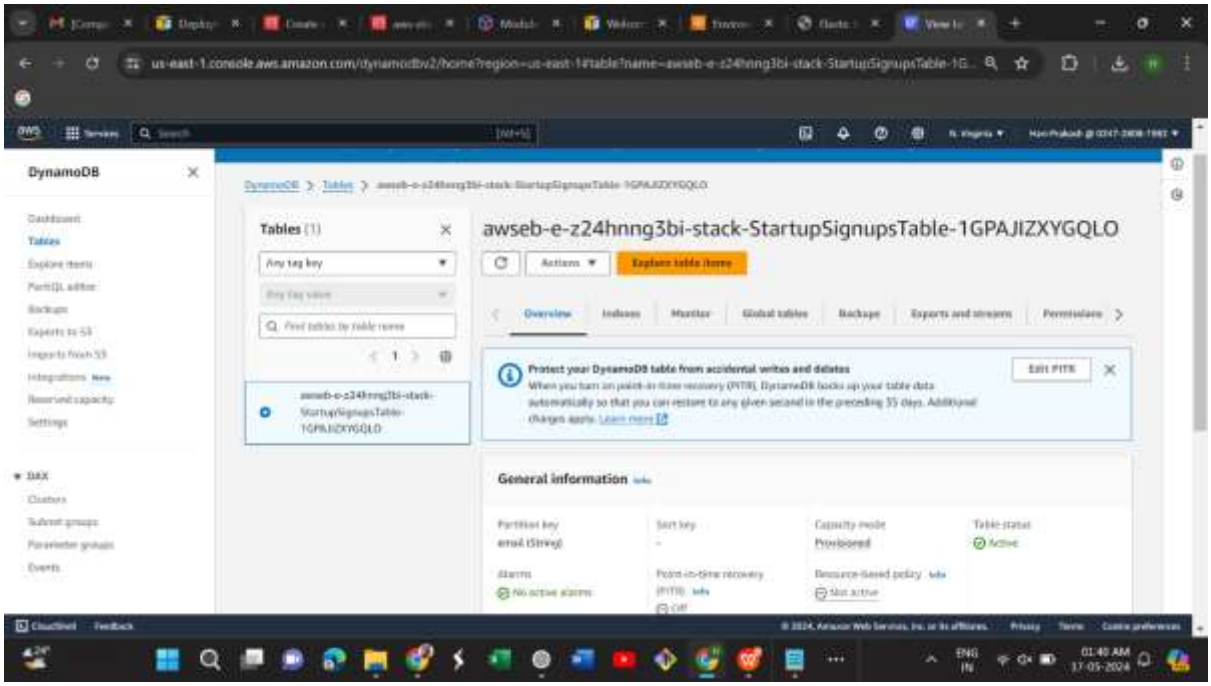
- Now, deploy the zip file in Beanstalk





Step 8:

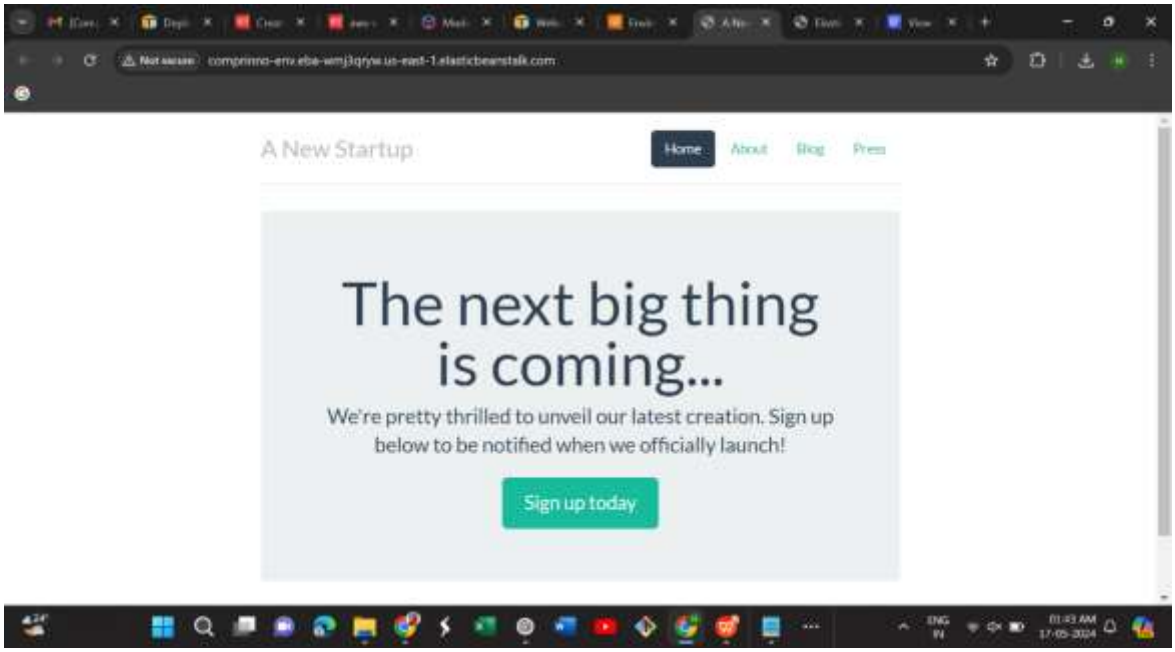
- In the AWS Management console, go toDynamoDB.
- Now a dynamodb table will be already created

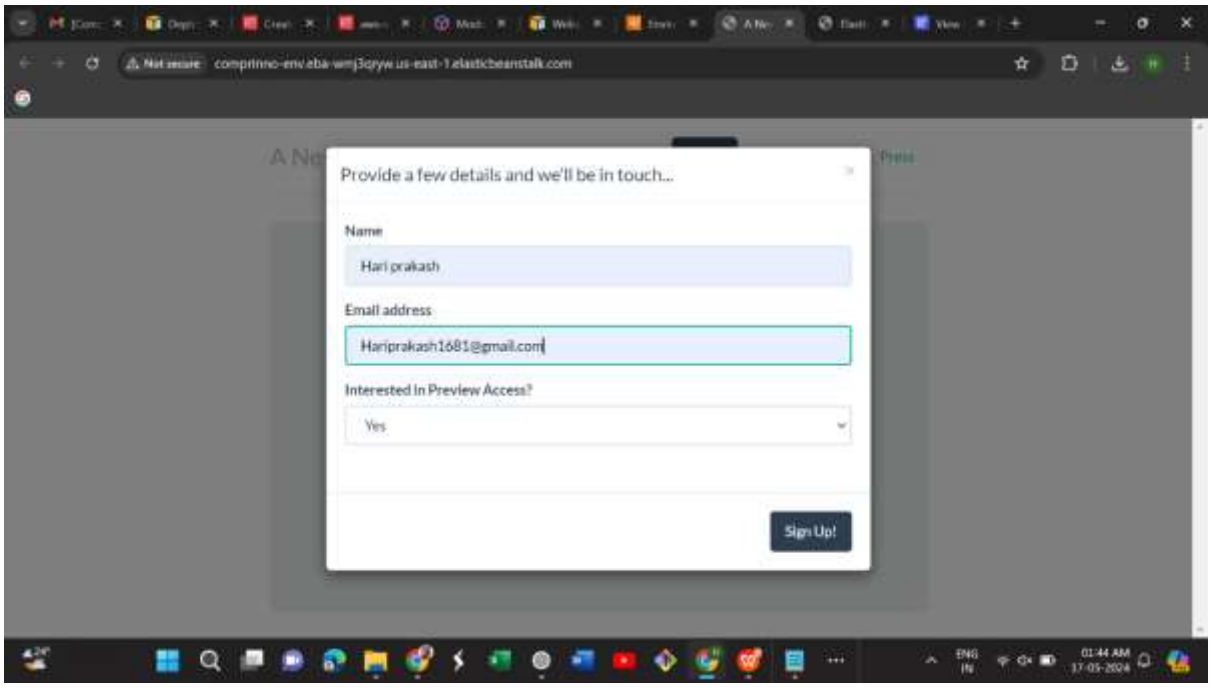


Step 9:

- Update the configuration file in the application sourceto use the dynamodb table instead of creating a new one.

- Now Open your site in a browser and verify that the form works as you expect





Step 10:

Create a few entries, and then check the DynamoDB console to verify the table