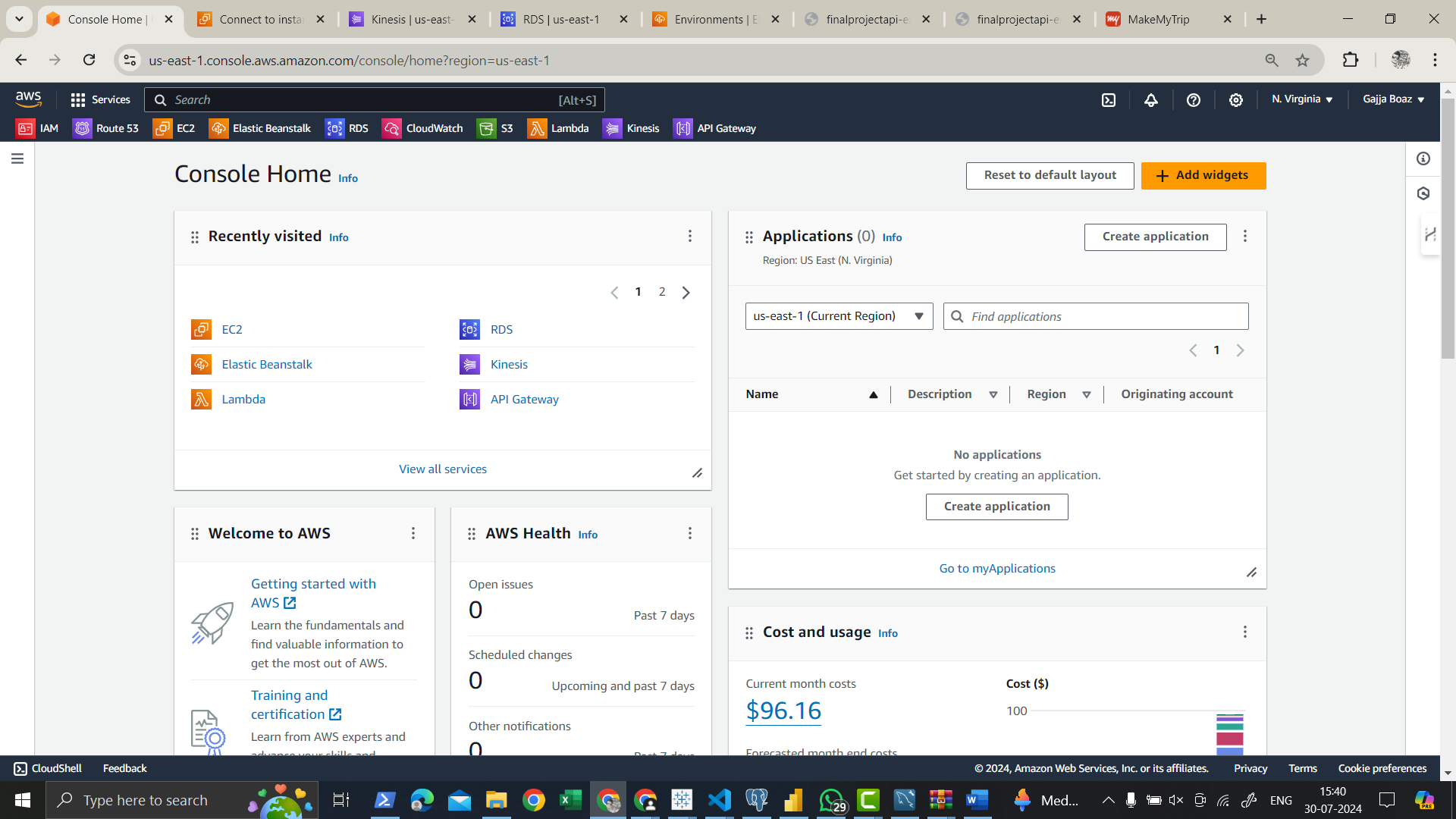
Final project report

Step 1:

Set up AWS environment (IAM, VPC, EC2, RDS, Kinesis, Lambda, S3).

Install and configure PostgreSQL on Amazon RDS.



Aws was setup and iam vpc ec2 rds kinesis lambda are created

using this program the data generated is send to the rds

A screenshot of a computer

Description automatically generated

The schema of the table is

A screenshot of a computer

Description automatically generated

Advanced Data Structures and Algorithms:

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

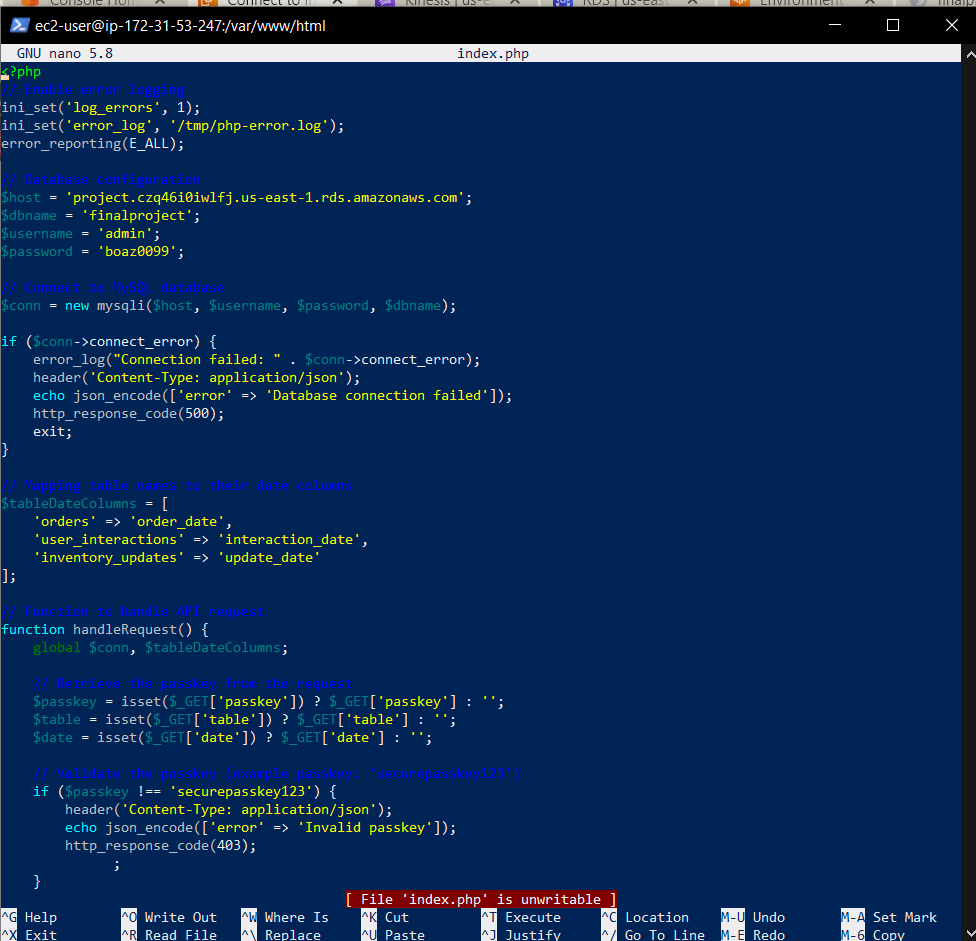
Description automatically generated

For api development elastic beanstalk is used

A screenshot of a computer

Description automatically generated

The file is deployed and edited on ec2 instance created



A screenshot of a computer screen

Description automatically generated

A computer screen shot of a blue screen

Description automatically generated

Through the link I sent the passkey for authentication and the table name and the date then on that particular date the data is reviewed

A screen shot of a computer

Description automatically generatedA screen shot of a computer screen

Description automatically generated

The link used for the above are

<http://finalprojectapi-env.eba-gu35qaty.us-east-1.elasticbeanstalk.com/?passkey=securepasskey123&table=orders&date=2024-07-29>

<http://finalprojectapi-env.eba-gu35qaty.us-east-1.elasticbeanstalk.com/index.php/?passkey=securepasskey123&table=user_interactions&date=2024-07-29>

And the next step is data visualization

Tableau

This dashboard is for orders

A screenshot of a computer

Description automatically generated sales through the city in Andhra Pradesh

A screenshot of a graph

Description automatically generatedsales through the month

A screenshot of a computer

Description automatically generatedsales through the productid blue color is the above average of the sales and white is below average

A screenshot of a computer

Description automatically generated

A screenshot of a computer screen

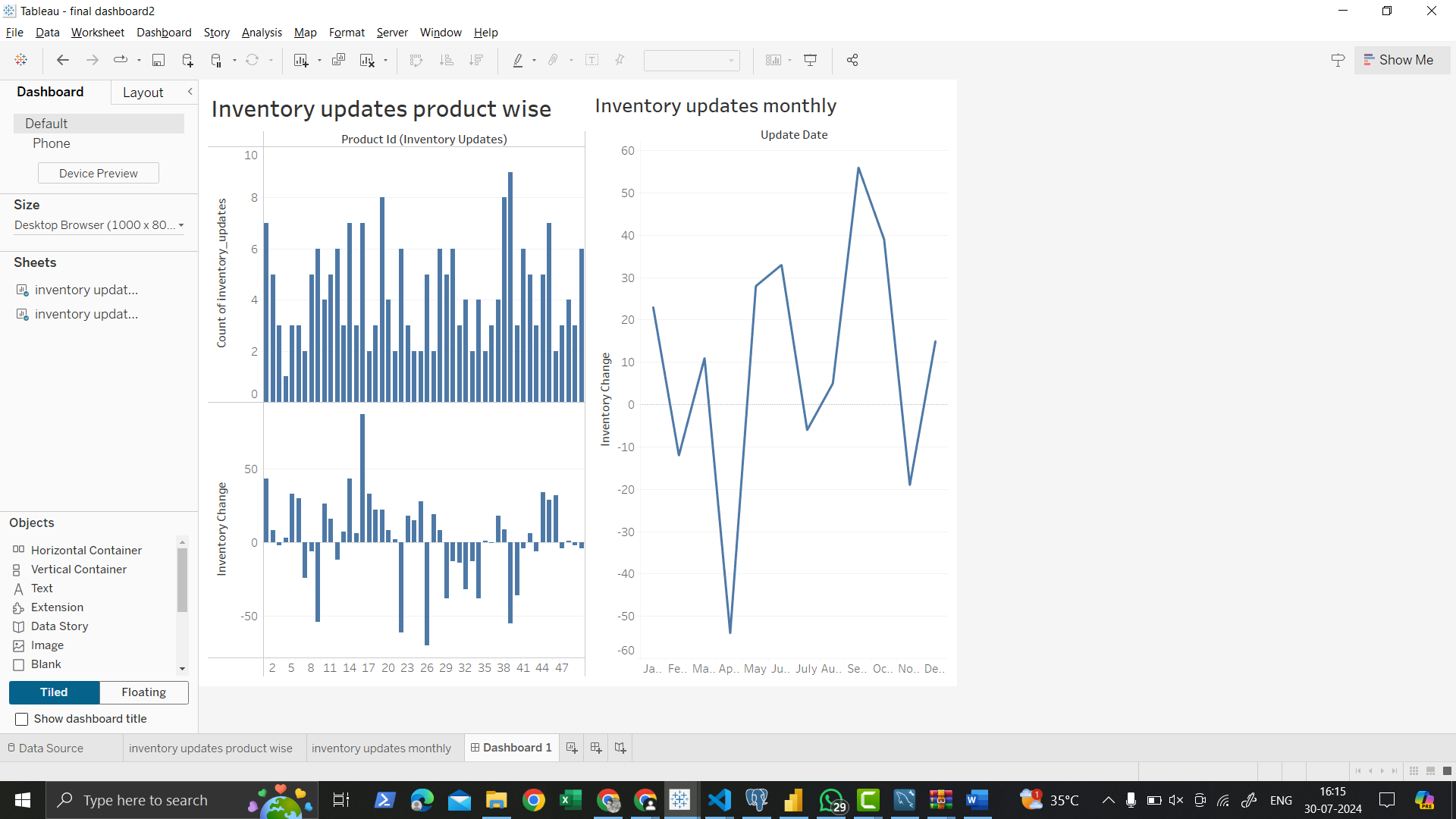
Description automatically generatedproduct wise inventor updates and inventor changes

A screen shot of a graph

Description automatically generated

Inventor updates monthly

This dashboard is for inventory updates



A screenshot of a computer

Description automatically generatedcount of interaction type in 2023 and 2024 are increased

A screenshot of a computer

Description automatically generatedcount of interaction month wise that means in July there is a sale so many mumbers interacted in july

This dashboard is for interaction

A screenshot of a computer

Description automatically generated

Monitoring the data in kinesis and cloudwatch

A screenshot of a computer

Description automatically generated

Creating the alarm for monitoring

A computer screen shot of a computer screen

Description automatically generated