**—Submission—**

**\*\*\*\*Capstone-Project Reference Links and Screenshots\*\*\*\***

## **## Links:**

**Github URL:** [**https://github.com/Dhiraj-Shivade/devops-build.git**](https://github.com/Dhiraj-Shivade/devops-build.git)

**DockerHub URL:** [**https://hub.docker.com/repositories/dhirajshivade**](https://hub.docker.com/repositories/dhirajshivade)

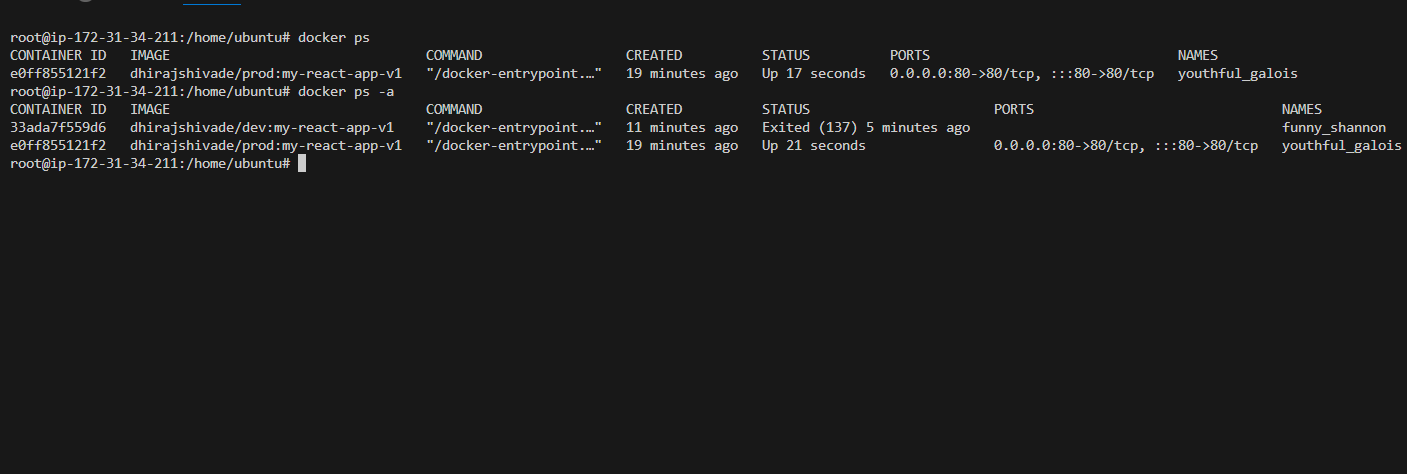
**React-app URL:** [**http://3.108.95.24:80**](http://3.108.95.24:80)

**##Screenshots:**

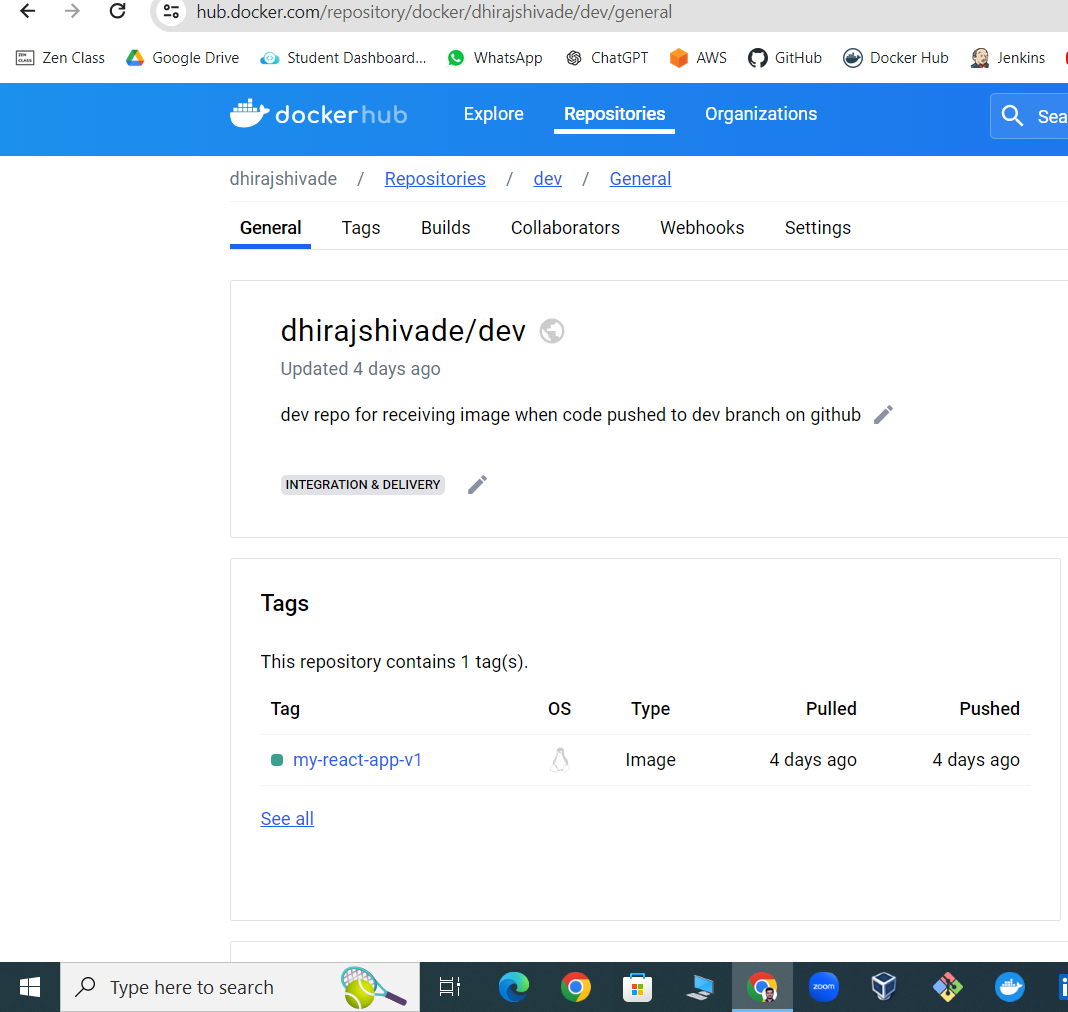
**#Docker Images:**

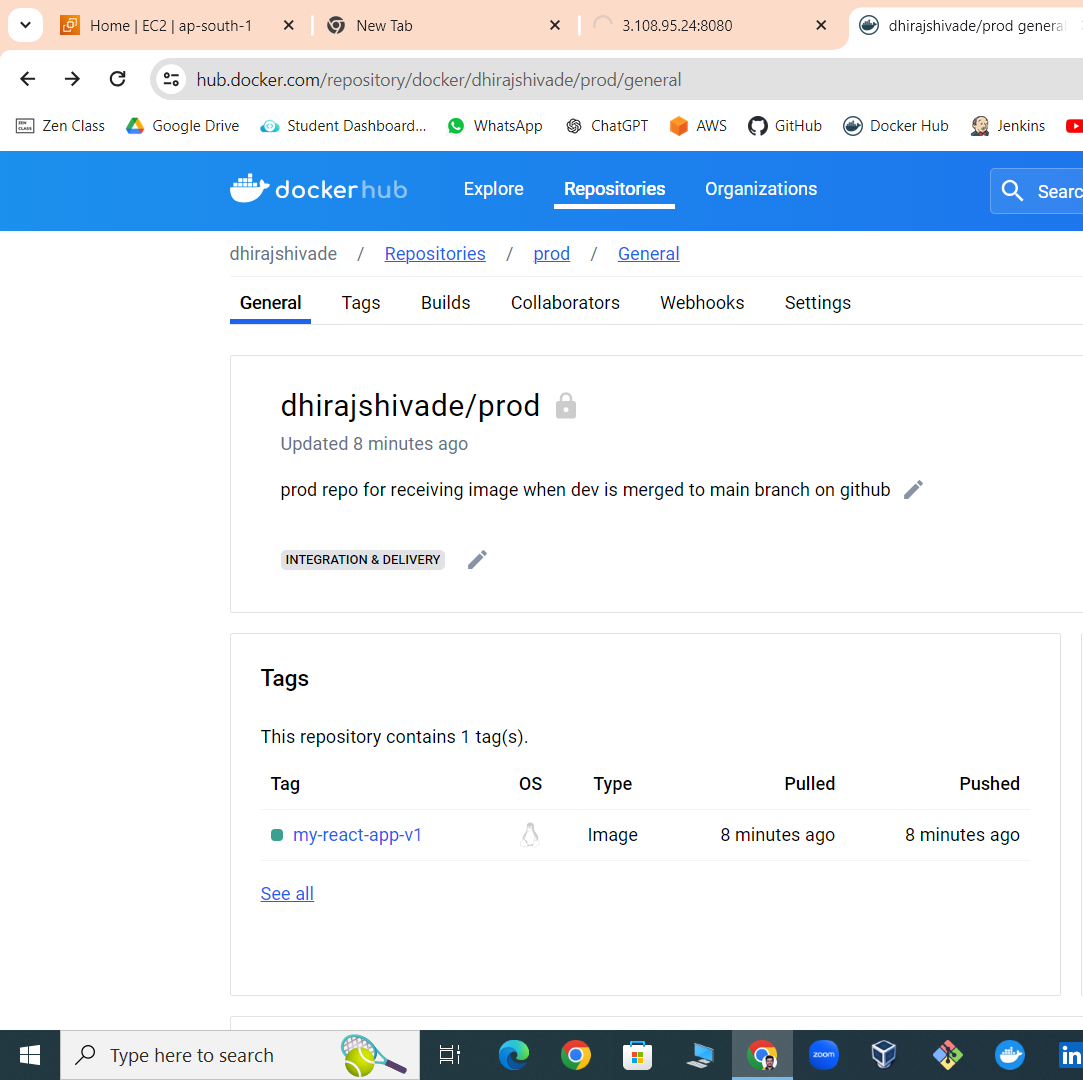
Dev Repo - **dhirajshivade/dev:my-react-app-v1 (container ID-33ada7f559d6)**

Prod Repo - **dhirajshivade/prod:my-react-app-v1 (container ID-e0ff855121f2)**

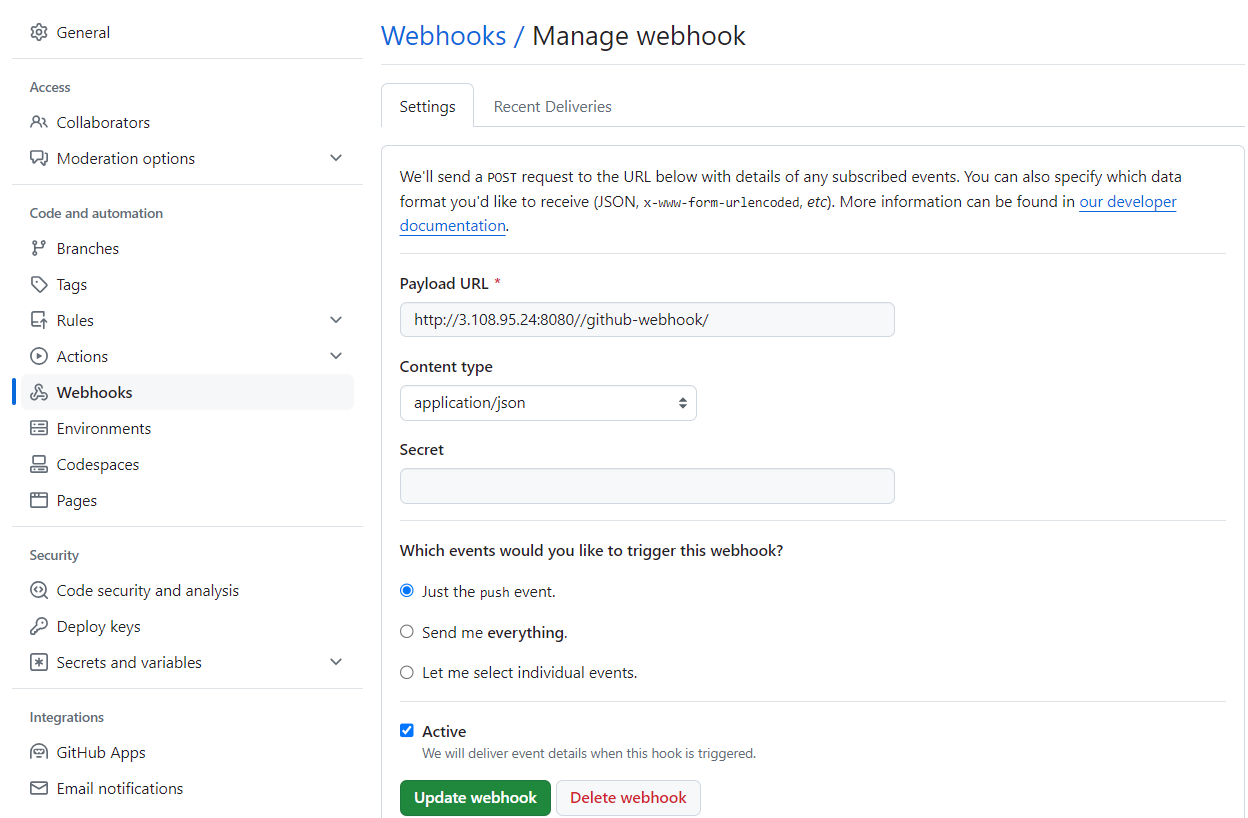
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**#Dockerhub repo:**

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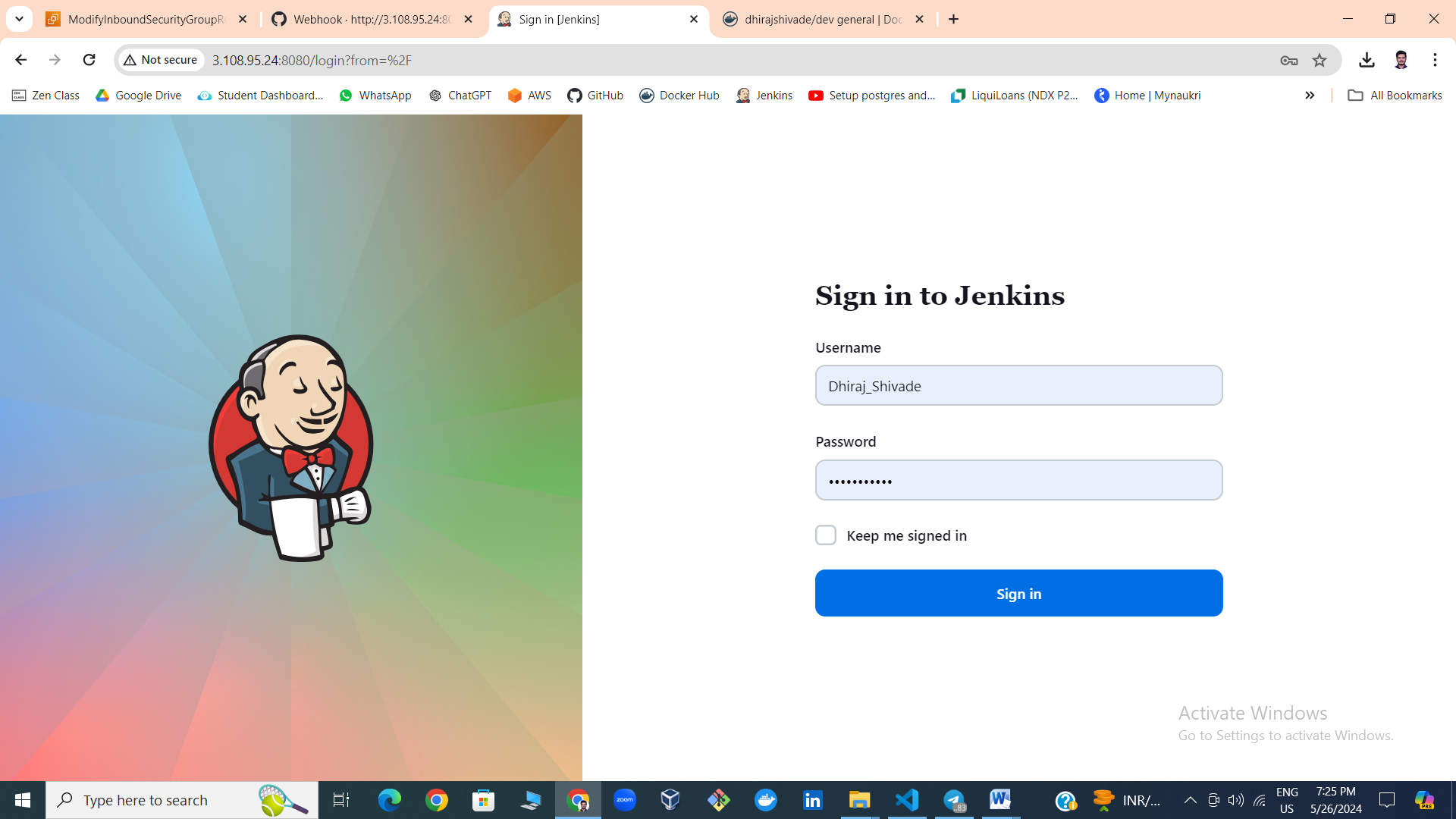


**# Github Webhook Integration -**

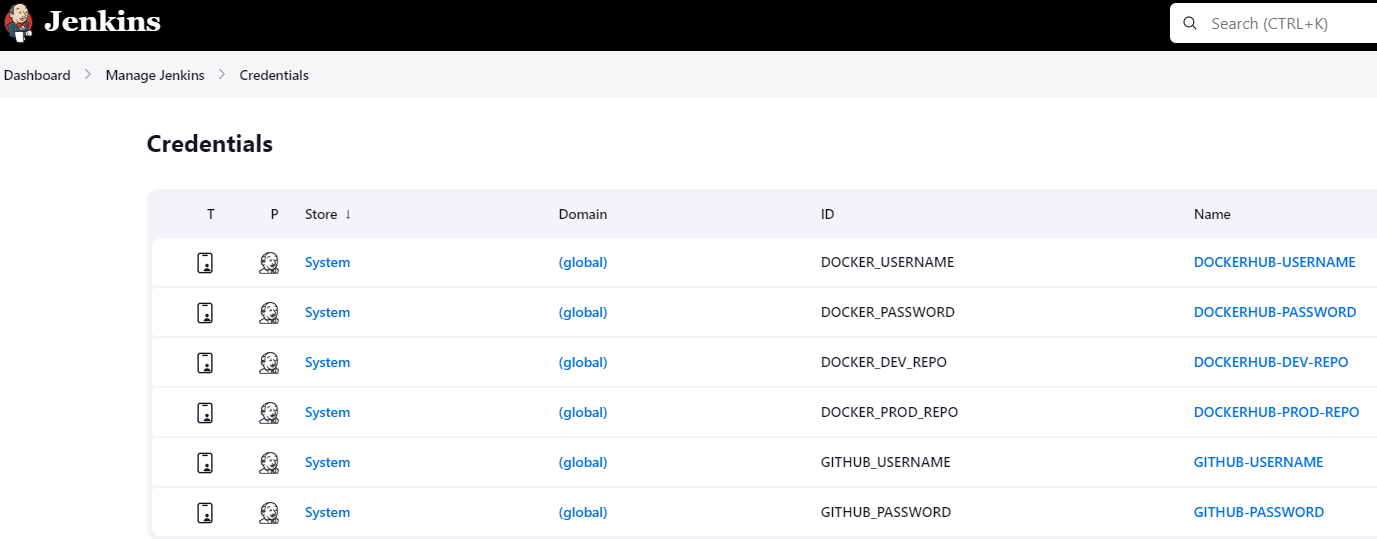
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**#Jenkins (Port 8080)**

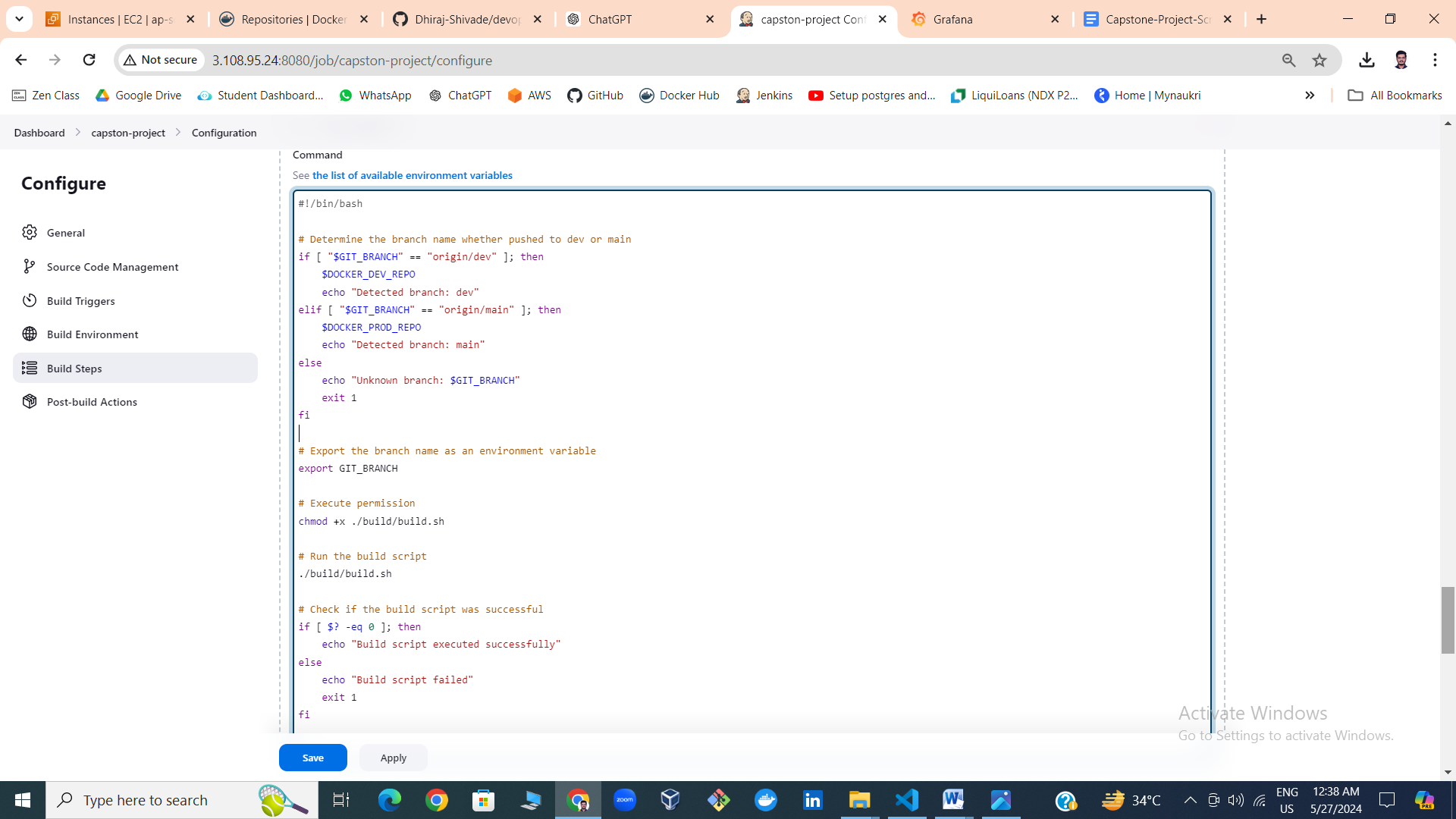
1. **Login page-**

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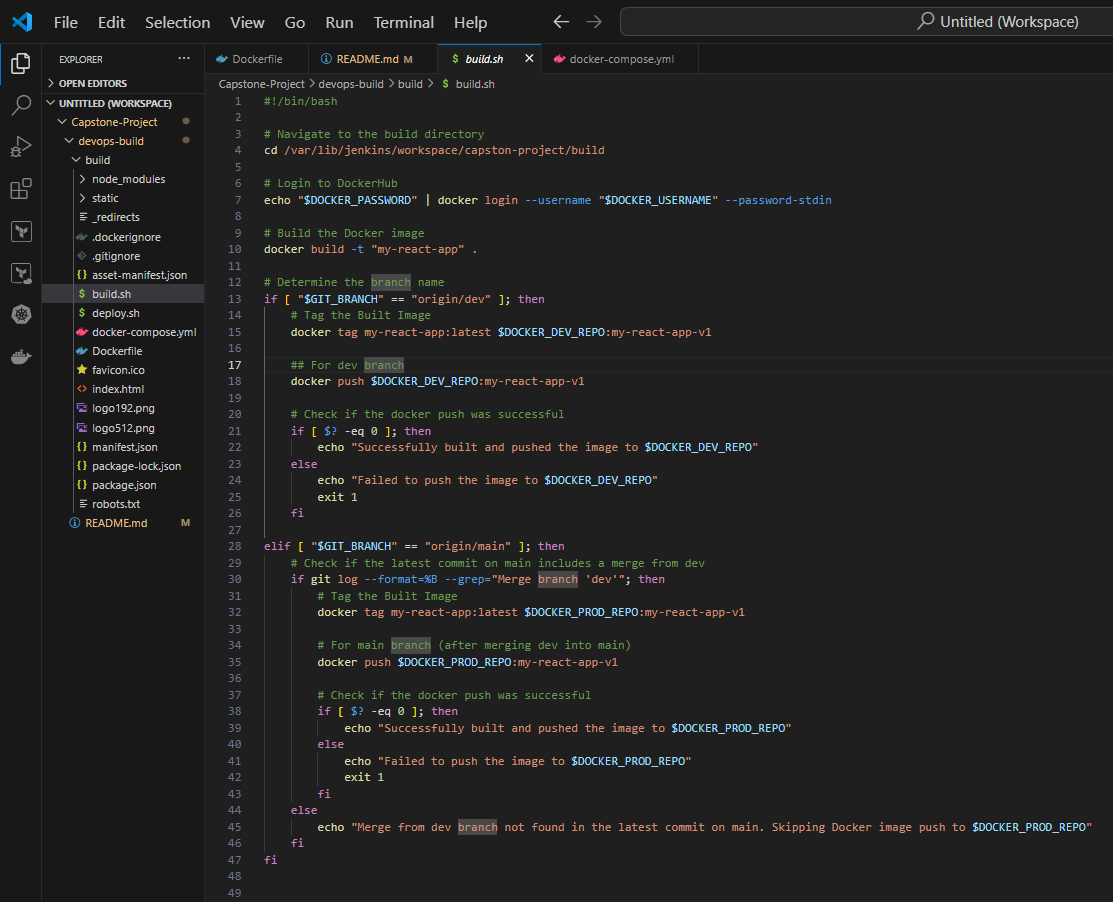
1. **Jenkins Credentials passed as secret text and defined as Env. Variables-**

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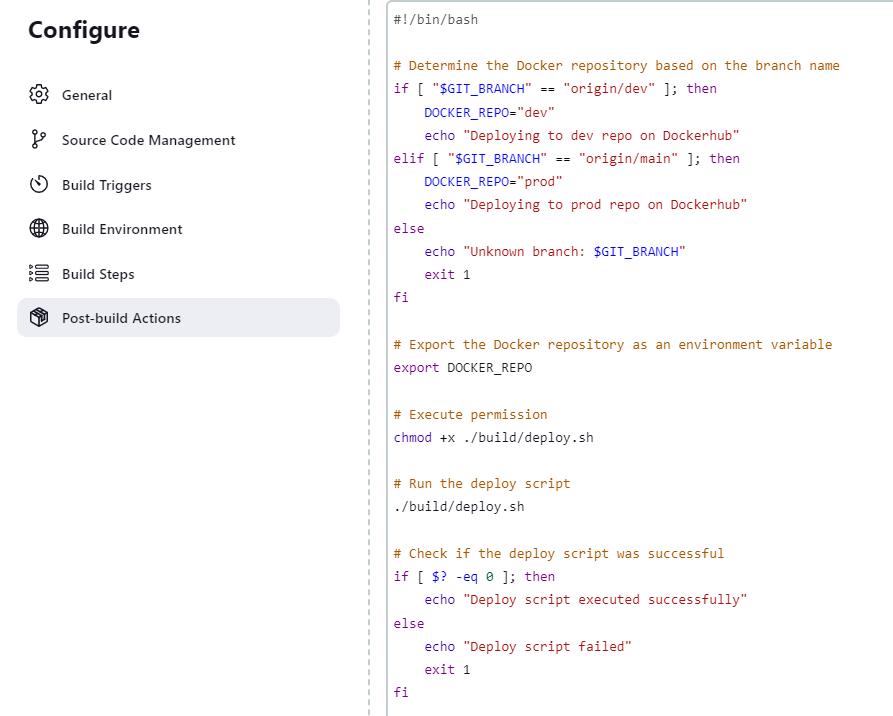
**3) Pre-Build script for build.sh in job configure-**

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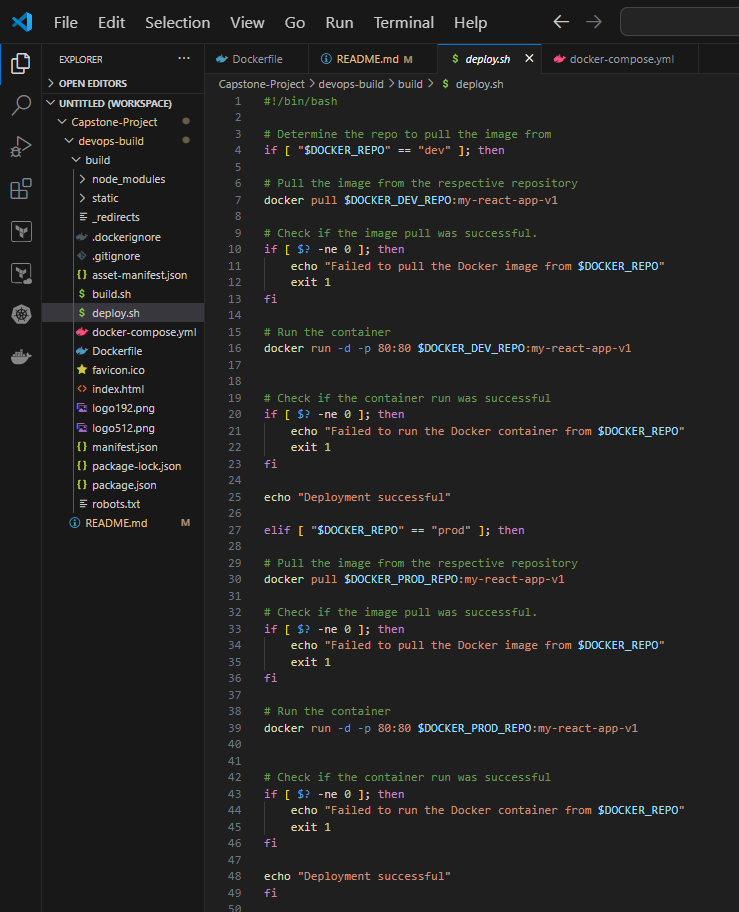
1. **build.sh -**

****

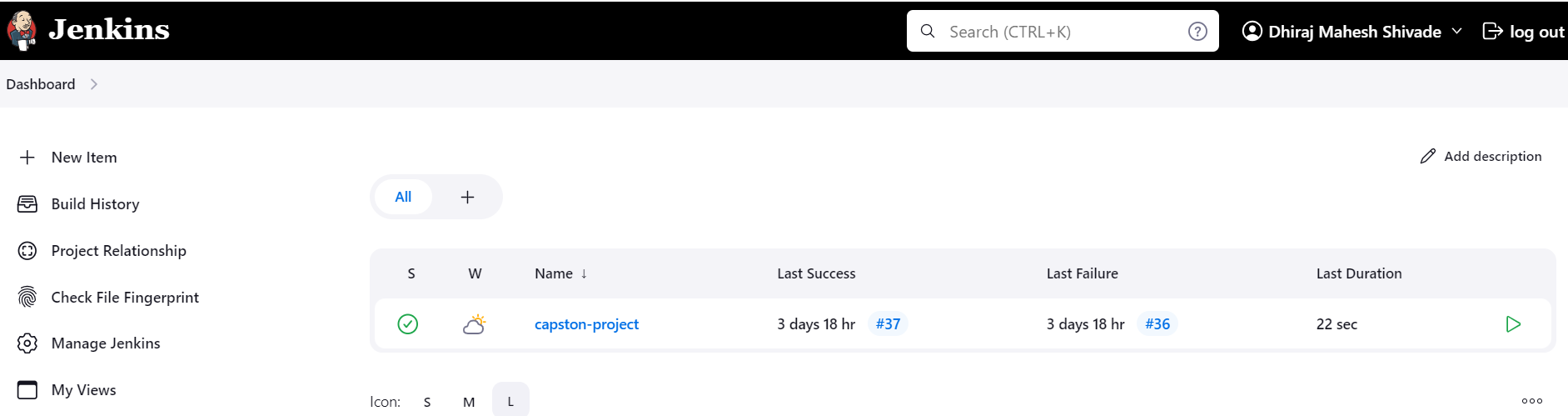
1. **Pre-build step for deploy.sh in job configure-**

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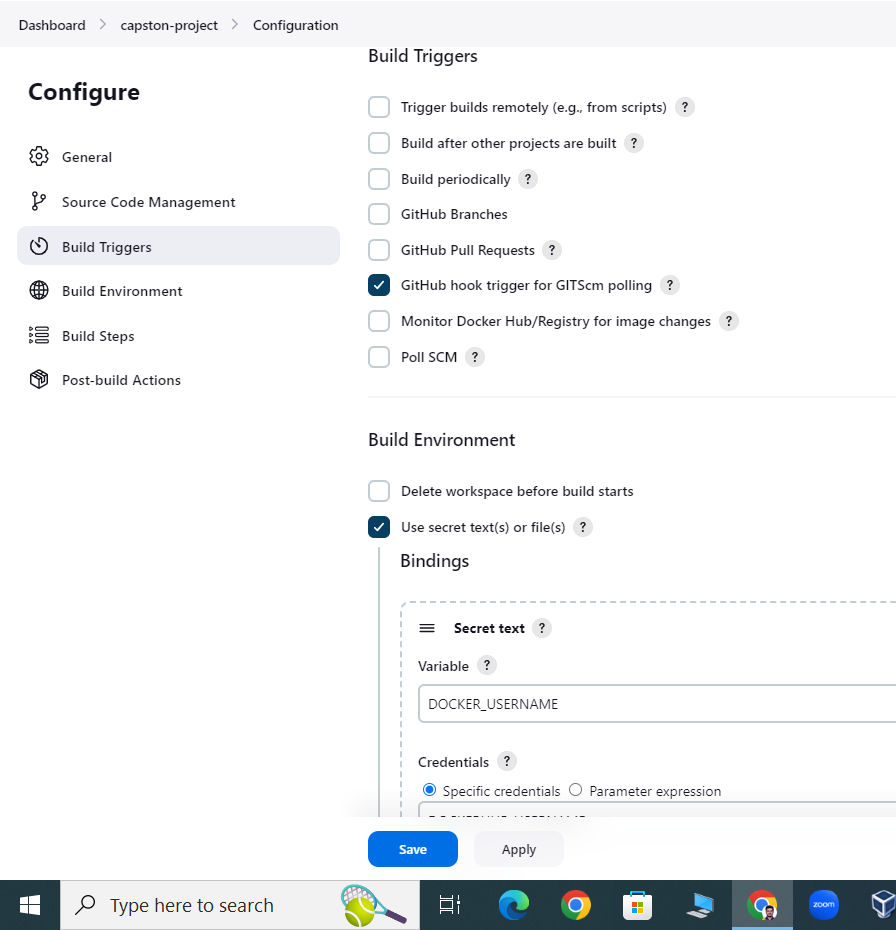
1. **deploy.sh -**

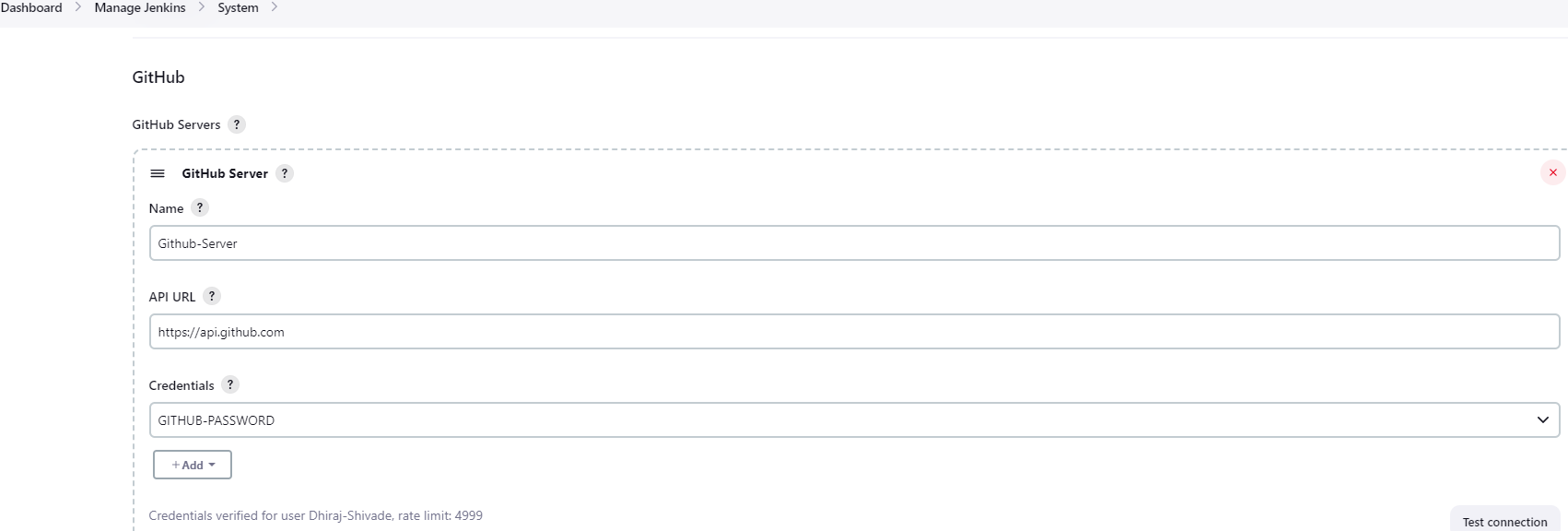
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**6) Jenkins Project (Home) -**

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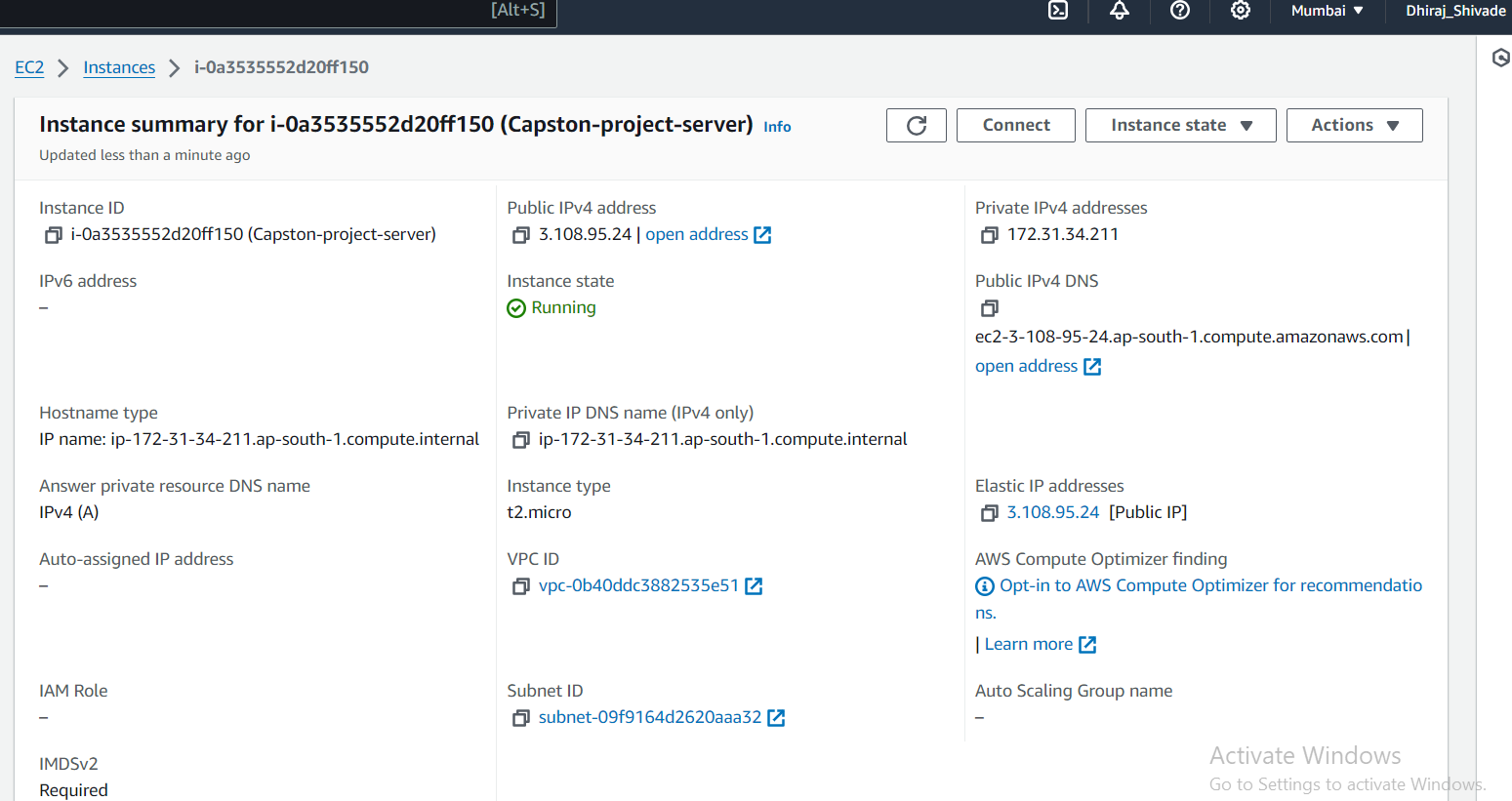
**7) GitSCM polling config and Github server config -**

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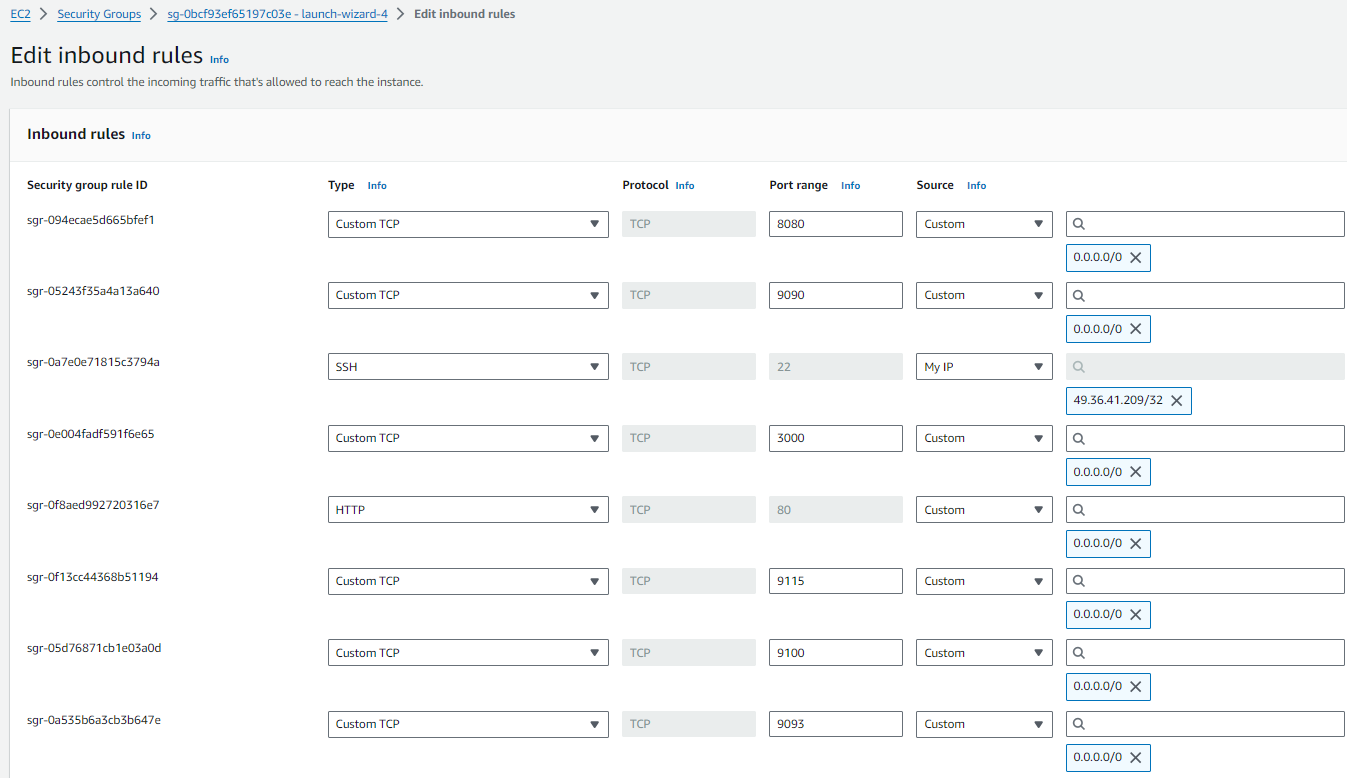
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**#AWS:**

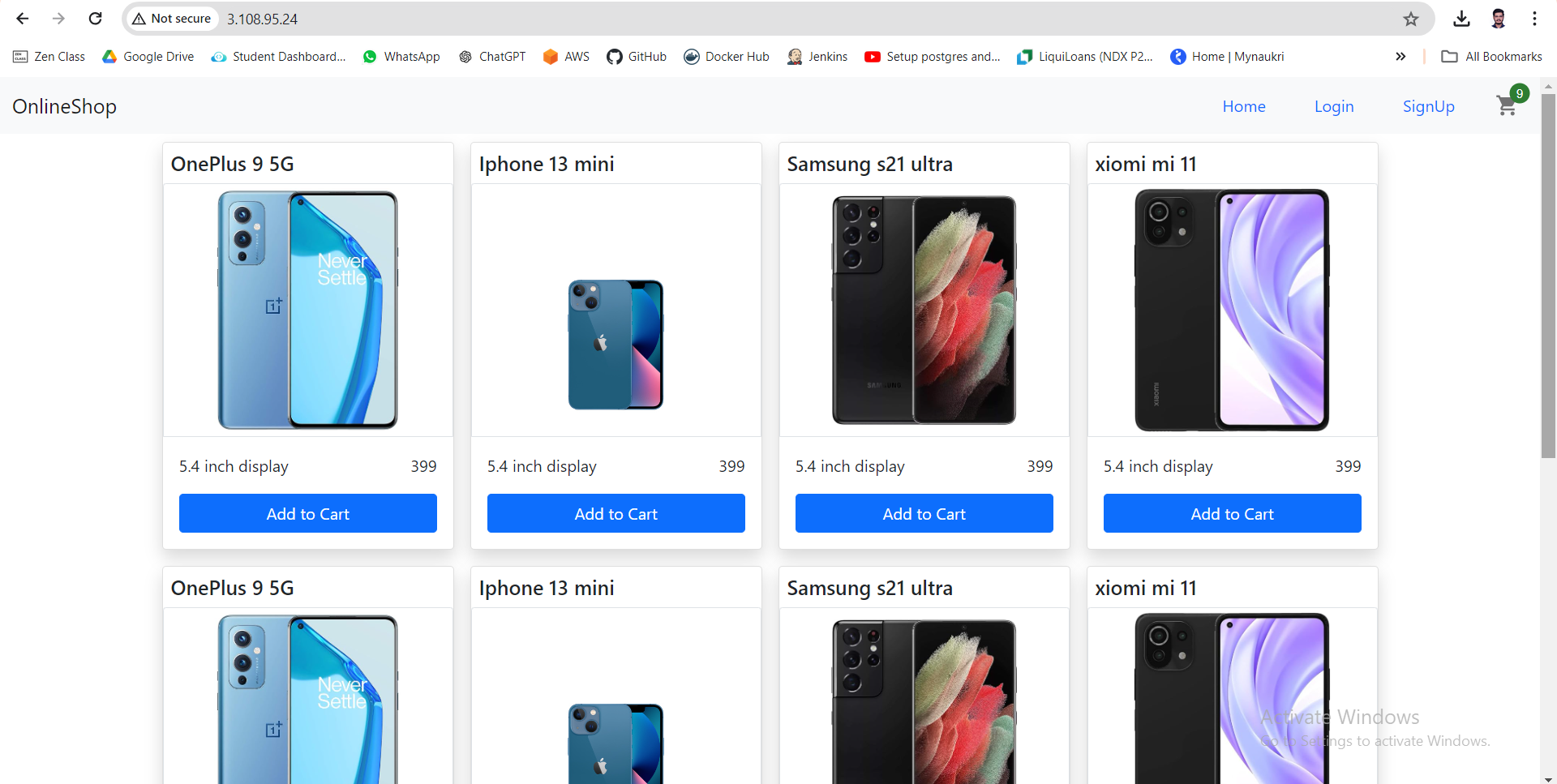
1. **EC2 Instance-**

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1. **Security Group -**

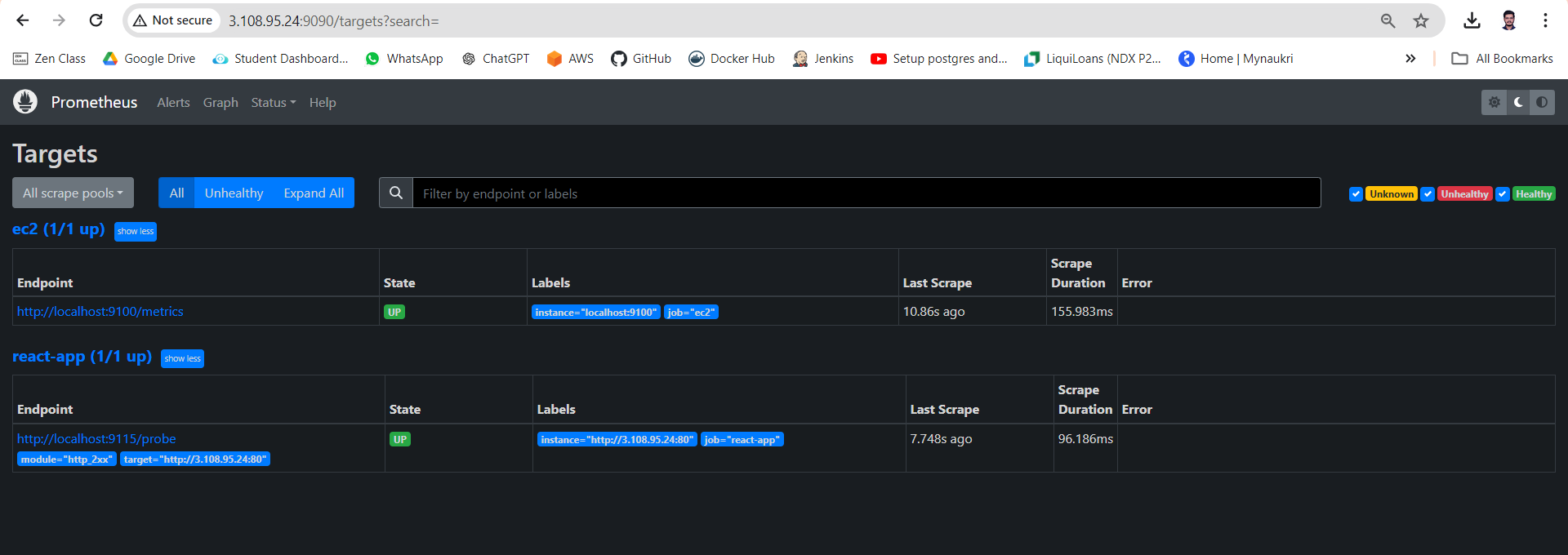
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**# Deployed Application running in docker container on ec2 (Port 80)**

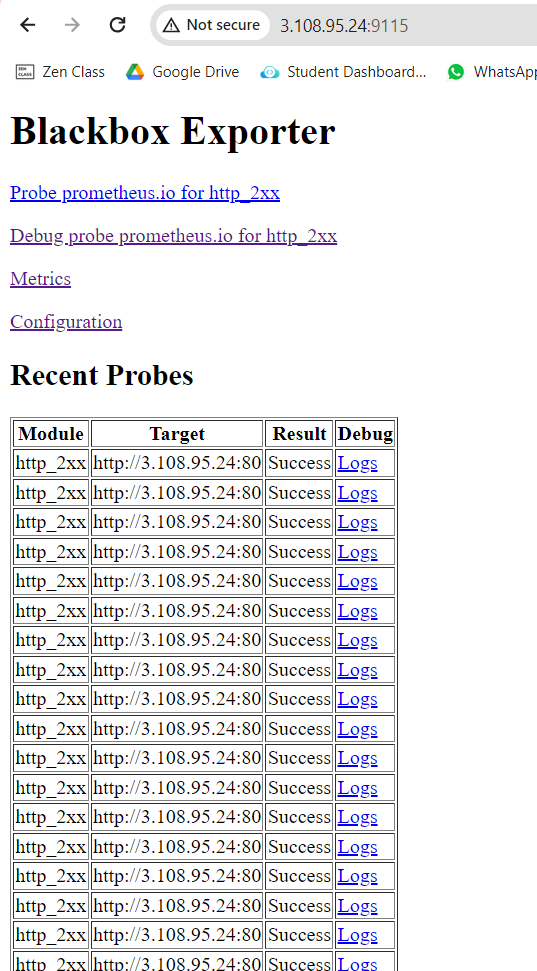
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**# Monitoring :**

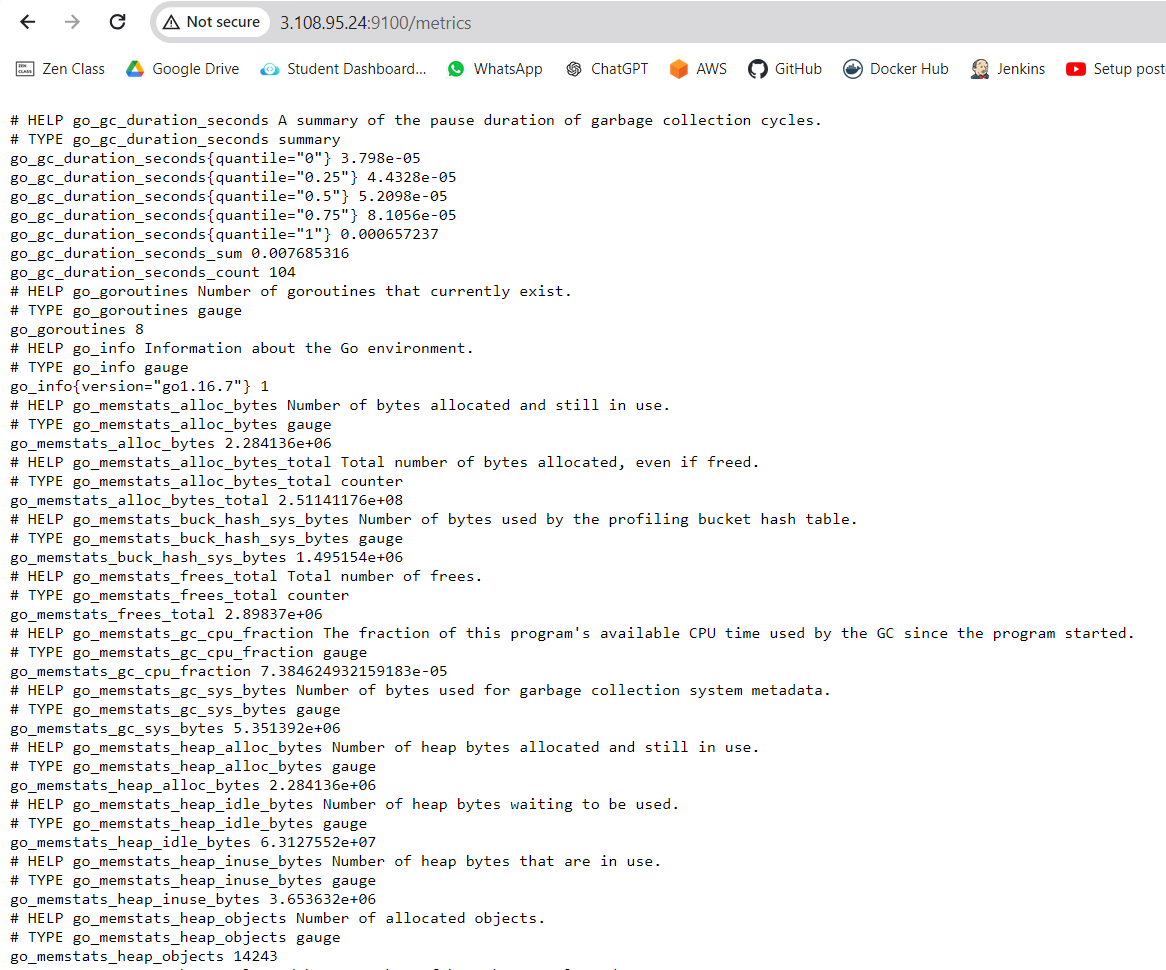
**Prometheus with targets to scrape metrics from instance and react-app (Port - 9090)**

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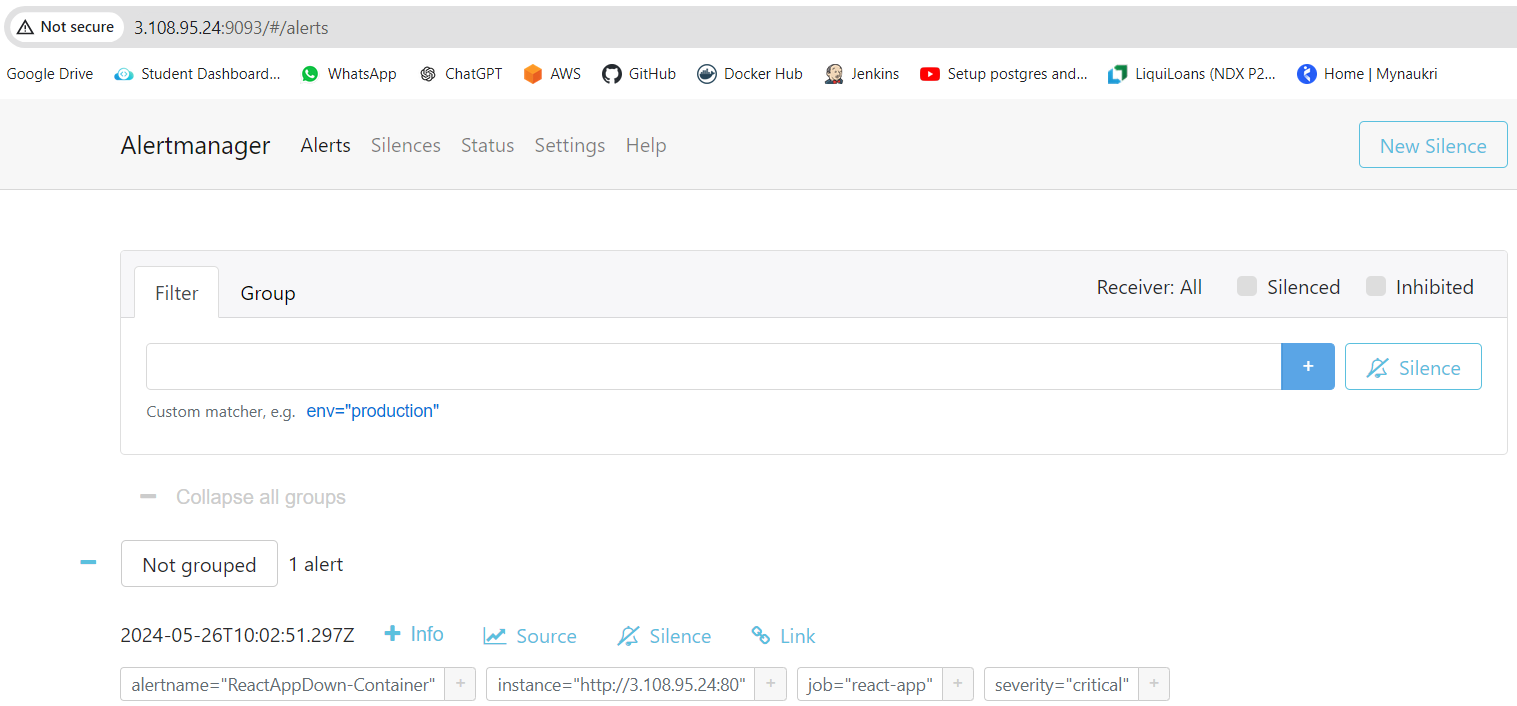
**# Blackbox\_Exporter (Port- 9115) collects metrics for running app with the help of http status codes**

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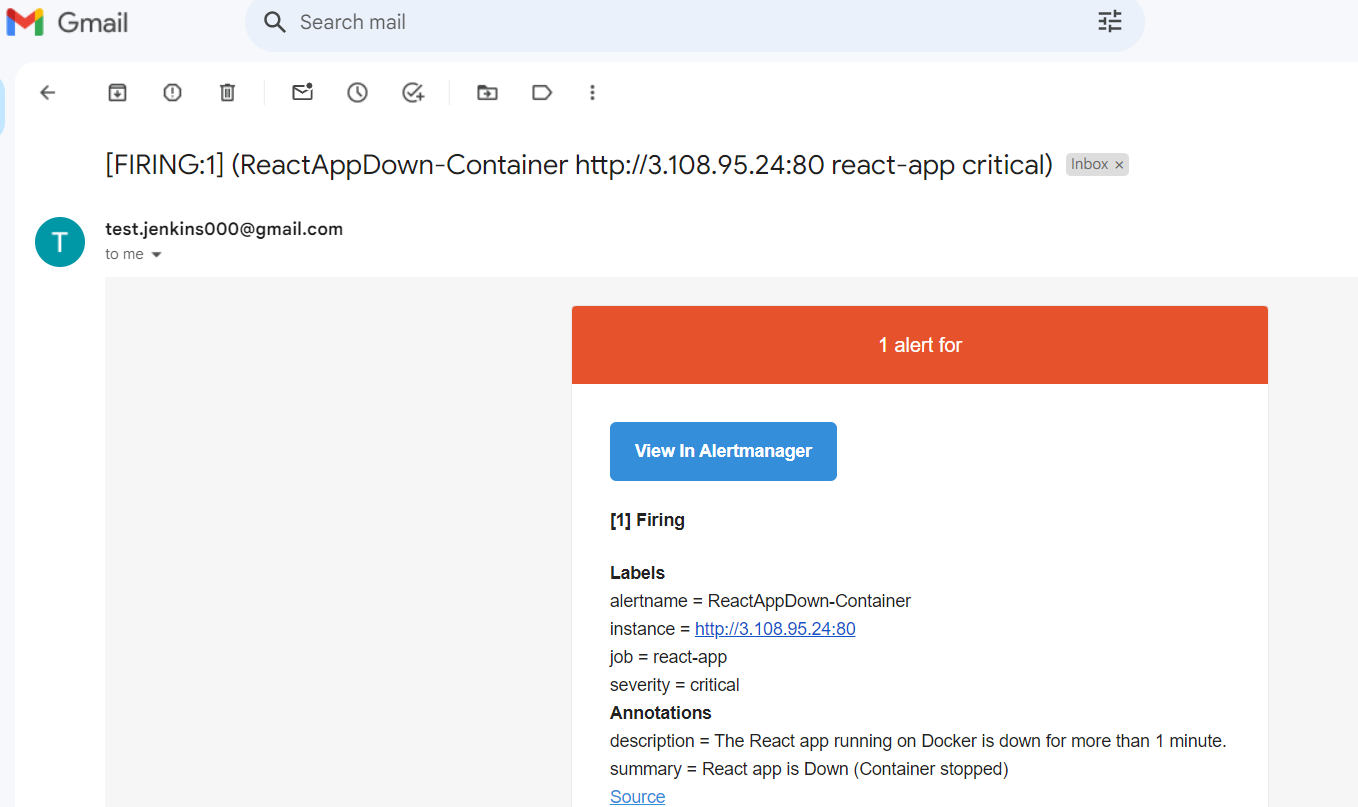
**# Node\_Exporter (Port- 9100) collects metrics for running instance(node) with the health status -**

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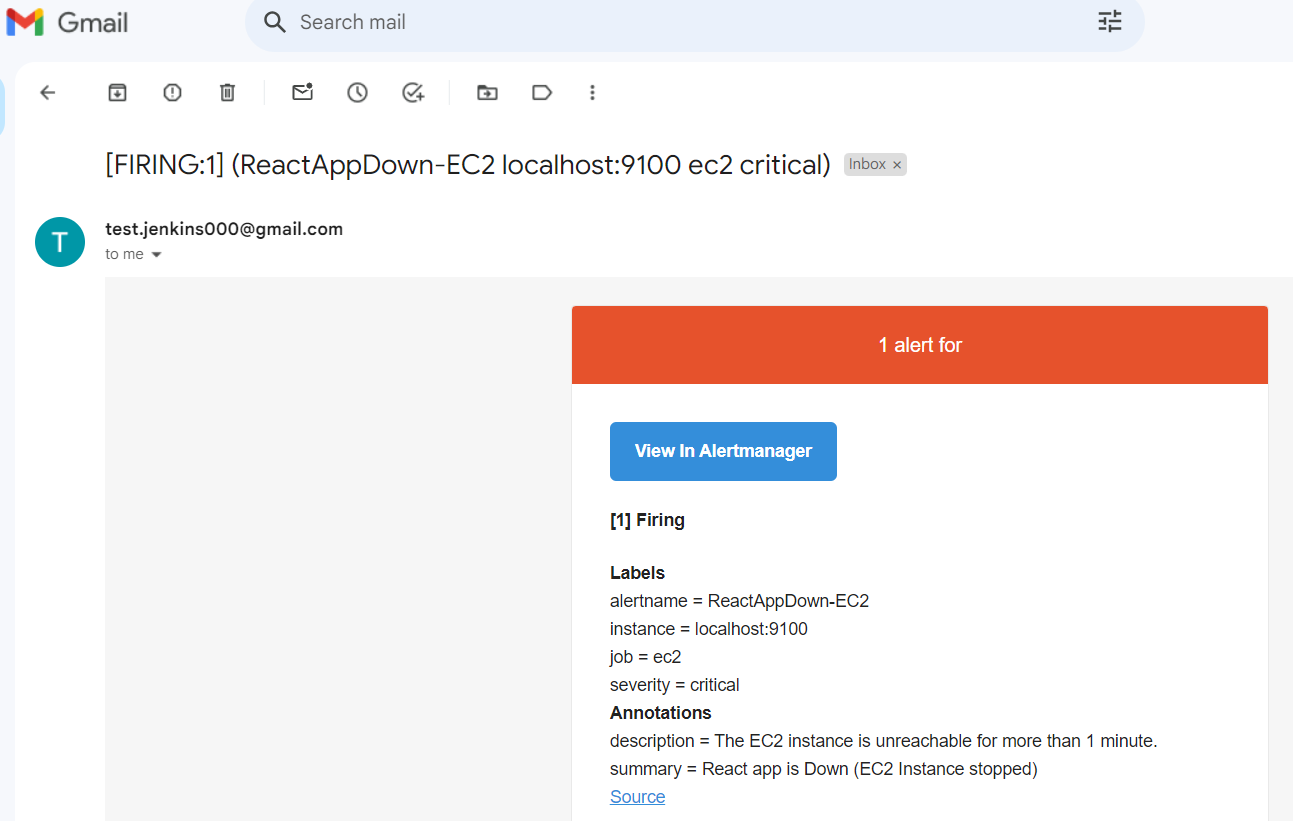
**# Alertmanager (Port 9093) showing alert when i stopped container -**

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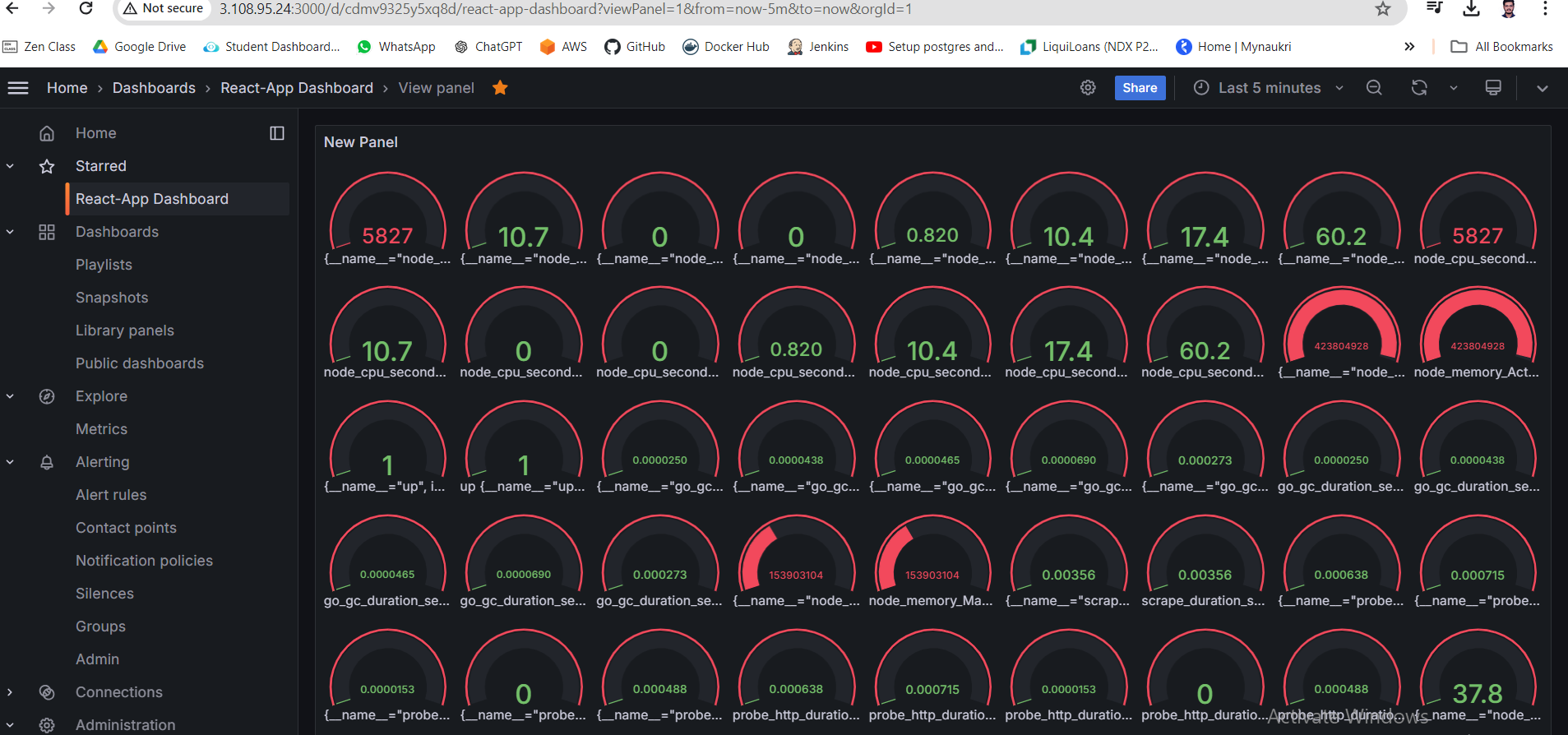
**# Alert email (SNS Notification) for App goes Down (when Container stopped- blackbox\_exporter)**

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**## Alert email (SNS Notification) for App goes Down (when ec2 stopped- node\_exporter)**

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**# Grafana ( Metrics Visualization and Monitoring) (Port - 3000) -**

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