**DEVOPS FINAL PROJECT**

**Muhammad Hashim Awan 22i-0976**

**Muhammad Taha 22i-0870**

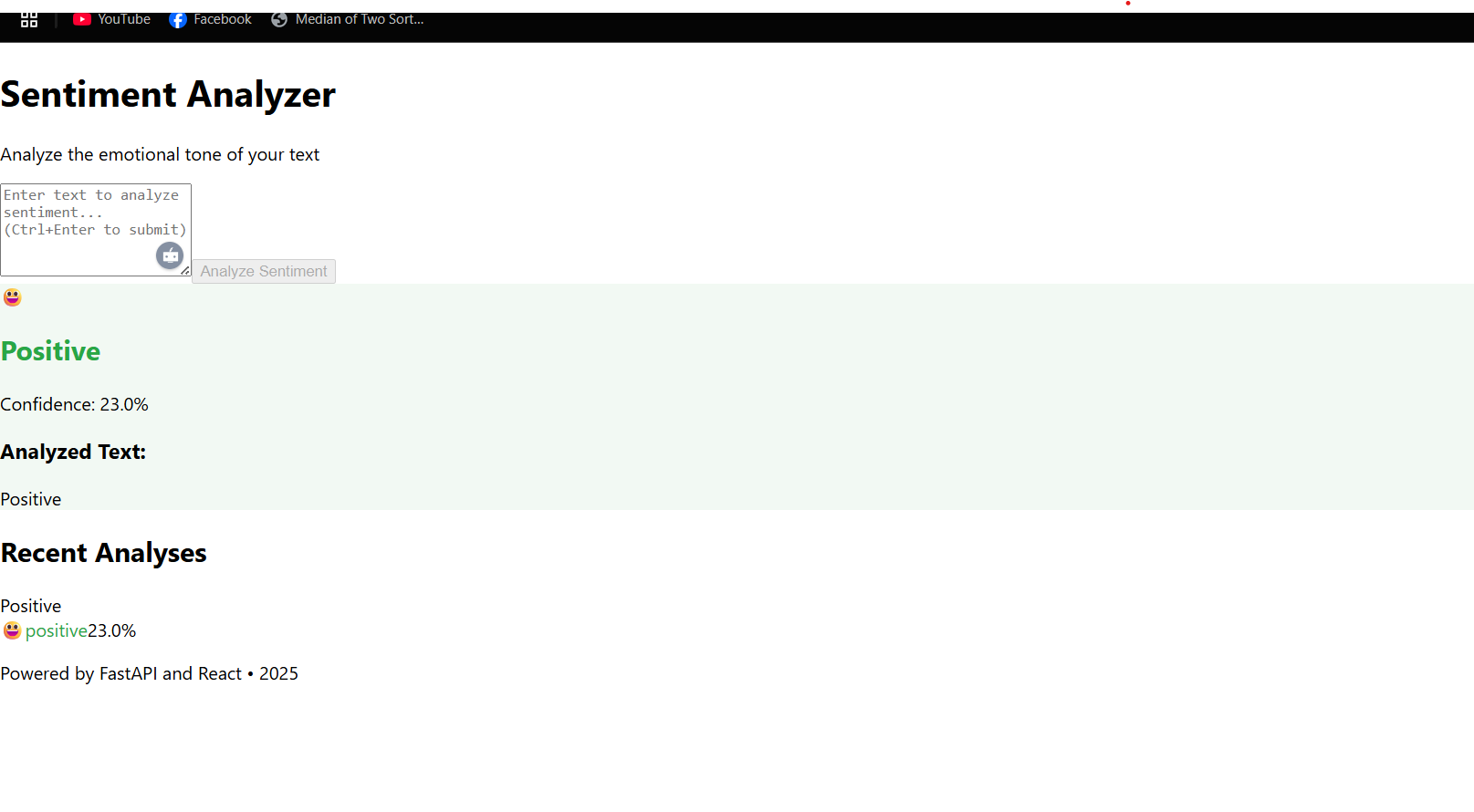
**Tauha Imran 22i-1239**

**Github Repo Link : https://github.com/hashimaawan/DevOps\_SentimentalModel\_Deploy**

**Project Overview**

We created Sentiment Analysis that enables users to analyze the sentiment (positive, negative, neutral) of input text. It uses a FastAPI backend for text processing and a React frontend for user interaction. The system is fully containerized using Docker and orchestrated via Docker Compose, and then Kubernetes and so on, allowing for seamless deployment and scalability.

**Application**

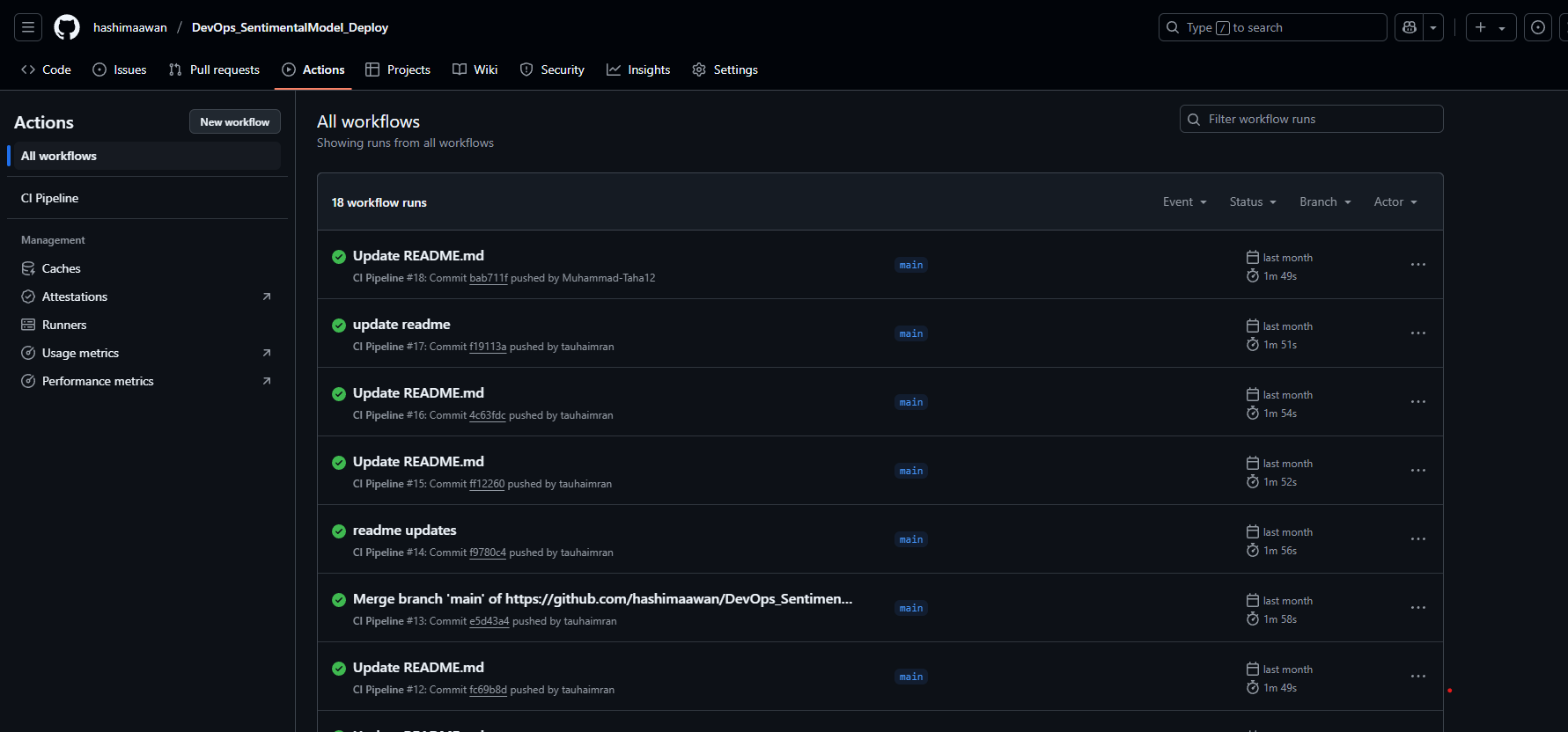
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**Docker**

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**Github Actions**

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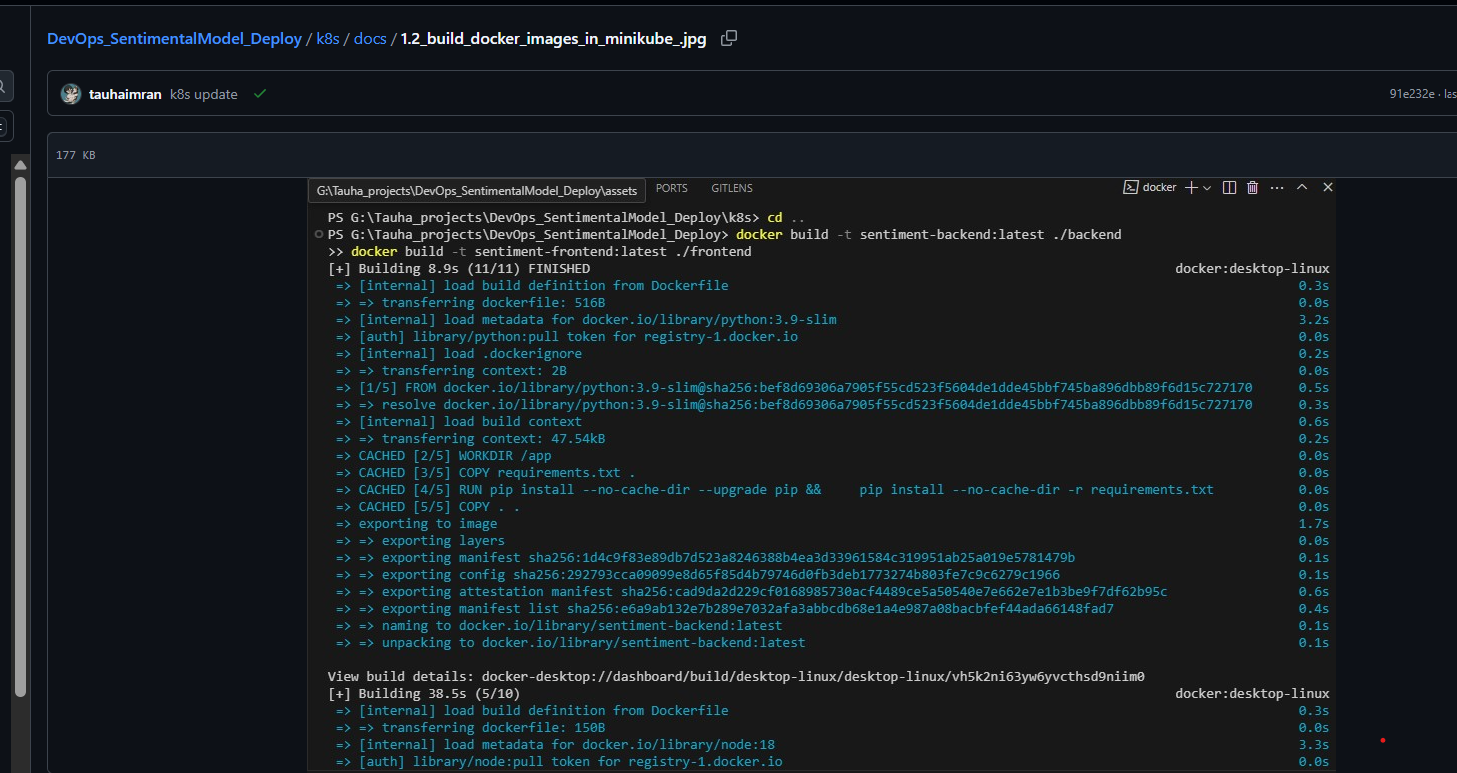
**Kubernetes**

**Cluster setup MiniKube**

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**Build docker image in minikube**

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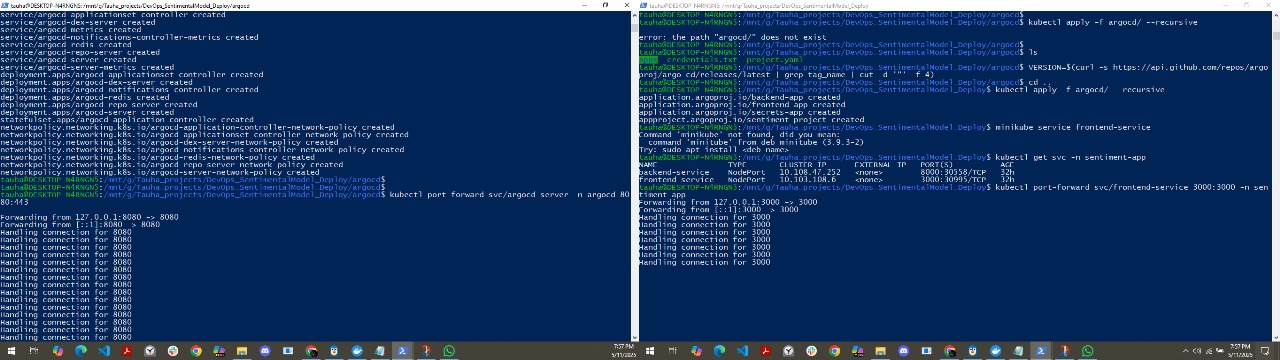
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**ARGOCD**

**ArgocdCLI**



**ArgoCD UI**

