



Comments Toxicity Detection

Problem

- Manual moderation does not scale
- High latency in reacting to toxic content
- No visibility into model behavior

Solution

- Classifies comments as TOXIC / CLEAN
- Returns toxicity probability
- Asynchronous processing via Kafka
- Persistent storage and monitoring

Demo: `docker compose up -d` | UI: `localhost:8501` |
Grafana: `localhost:3000`

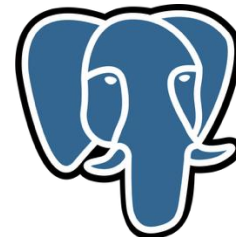
Tech Stack



docker



Grafana



Streamlit



kafka