Amine Kina

Otto-Lillienthal-Str 12. Bremen | kinaamine@gmail.com | +49 1525 7658041 | myportfolio.com
amineki6 | Amineki6

Education

University of Bremen *Oct 2024 – Present*
Master's in Artificial Intelligence and Intelligent Systems

- GPA (incomplete): 1.5

Constructor University *Sep 2020 – Aug 2023*
Bachelor's in Robotics and Intelligent Systems

- **Coursework:** Automation, Artificial Intelligence, Machine Learning

Experience

Research Assistant *Bremen, DE*
Constructor University *Jan 2024 – Aug 2024*

- Developed a scalable microservices-based Movie Recommendation System, leveraging Docker, Kafka, and Spring Boot to enable efficient communication and real-time data processing across multiple independent services.
- Implemented a hybrid recommendation model while optimizing Precision@10 and Recall@10 metrics for personalized and diverse recommendations.
- Built an advanced monitoring and evaluation framework using Prometheus, Grafana, and Locust, tracking key system metrics, detecting anomalies, and dynamically retraining models when performance drops.

Projects

Stock Price Prediction and Trading Agent *github.com*

- Developed a stock price prediction and trading agent by integrating LSTM-based time series forecasting with a DQN-based reinforcement learning model in a Gym-compatible trading environment.

PillChat Tool *github.com*

- Leveraged Large Language Models (LLM) and Retrieval-Augmented Generation (RAG) techniques to understand and process user queries while ensuring contextually relevant responses by integrating external knowledge sources

Maximize Tips Revenue (Predictive Modeling) *github.com*

- This project aims to optimize tip earnings by predicting the best days to work based on weather conditions and day of the week. Using historical data on tips, weather, and order prices, a machine learning model (Random Forest Regressor) is trained to forecast tip amounts.

Presentations

Consent in Crisis: The Rapid Decline of the AI Data Commons pdf
Analysis of challenges affecting AI data commons and data accessibility.

Movie Recommendation System pdf
Presented a microservices-based movie recommendation system.

Bookstore Automation Scenario pdf
Proposed an automation system for bookstore operations.

Technologies

Technical: Python, C++, R, Java (SpringBoot), Docker, Pytroch, API, Kafka, Grafana, Nginx, Redis, AWS

Languages: English(C2), French(C2), Arabic(C2), German(B1)