Erman Avsar

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EDUCATION

Izmir Institute of Technology - B.S., Computer Engineering, September 2024

Languages - English (C1), German (B1), Turkish (C2)

EXPERIENCE

ML-Based Vacant Seat Prediction - SunExpress Data Science Internship

- Trained a machine learning model to accurately predict vacant seats on upcoming flights, achieving error rate as low as 3.1%.
- Managed the entire data lifecycle: gathered, cleaned, and conducted exploratory analysis using **Python**'s **Pandas**, **Plotly**, and **Matplotlib** libraries, followed by model training with **AzureML**.
- Presented and explained my project in a simple way with analogies, graphs and visuals to my superiors in the Frankfurt office.
- Introduced potential use case ideas for the prediction model, to enhance both the commercial and operational sections of SunExpress.

IZTECH Shuttle - Senior Design Project

- Created shuttle tracking devices on university campus to track shuttles location real time for the students.
- Worked on the backend and data pipelining on hardware (ESP32) and software side of the project.
- Presented the project to the rectorate and jury committee.

MapsInsider.com - AI-Generated Paris Travel Insights from Google Maps Reviews

- Developed a page to showcase AI-driven Paris insights using data from Google Maps.
- Extracted around **20,000** Google Maps reviews using the Google Maps Places API and processed the data.
- Utilized the **DeepSeek AI** to generate region-specific insights and summaries of Paris based on Google Maps Places metadata and reviews

Prompt X Algorithm - Chrome Extension

- Developed a Chrome extension for users to filter and personalize their Twitter (X) timeline based on user-defined prompts.
- Implemented real-time tweet classification locally within the browser, powered by xAI API.
- Designed and launched a dedicated landing page for the extension and published it on the Chrome Web Store.

EXTRA-CURRICULAR ACTIVITIES

Volunteering and Thinkering

- After graduation, I volunteered and traveled around the world, from Lisbon to Tokyo. In the meantime, I created some of the cool projects listed above
- Previously, I volunteered for a month in Geneva via the Workaway platform (Reference and Photo). I improved my language capabilities in German and French.

Sports

- Hiked in various locations, including Swiss Alps, Tatra Mountains, Wadi Rum and surroundings of Izmir.
- Received a CMAS 1-star scuba diving license through the IZTECH SAT Club and have scuba dived in Ayvalık and Hurghada.