

Kagan Han Catan

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SKILLS & INTERESTS

Skills: Python | Deep Learning | Language Modelling | Agentic AI | Machine Learning | Statistical Analysis | English, Turkish – All professional proficiency or above

WORK EXPERIENCE

OrbislabsAI

Istanbul, Turkey, Remote

AI Engineer

May 2025 - Present

- Implementing AI agent solutions for companies to enhance operational efficiency and leverage the benefits of AI and agentic systems."

Softtech

Istanbul, Turkey, Remote

AI Engineer

Jan 2024 - May 2025

- Developed a code assistant IDE to help developers write code more efficiently, resulting in a 50% increase in productivity.
- Implemented an in-house LLM inference service to prevent data from leaving the organization, ensuring secure and compliant use of AI with full control over private data.
- Developed a ChatGPT-like user interface to make AI accessible across the organization—not just to developers—via a code assistant, resulting in more productive and efficient teams.

Peopleoma

Istanbul, Turkey, Remote

Jr. Data Scientist

Jul 2022 - Jan 2024

- Integrated two crucial KPIs, Overtimes and Absenteeism, into the previously established forecasting model, enriching the understanding of future employee behaviors.
- Designed and developed a user-centered correlation module leveraging Python, Typescript, React, Dython, PostgreSQL, and Fastapi to assist HR professionals in identifying the factors of employee turnover.
- Designed and developed a user-friendly data quality module, using Python, TypeScript, React, PostgreSQL, and FastAPI, providing insights for the correction and improvement of employee data.

Peopleoma

Istanbul, Turkey, Remote

Data Science Intern

Apr 2022 - Jul 2022

- Performed in-depth evaluations of 50+ dashboards and charts in the Peopleoma's app, meticulously ensuring strict adherence to statistical rules and data visualization best practices.
- Developed and implemented a robust forecasting model for critical KPIs, including Turnover, Retention Rate, Leaving, and Number of Employees, using Python, NeuralProphet, PostgreSQL, Fastapi, Elasticsearch, and Kibana. The successful implementation of this model yielded actionable insights, significantly enhancing strategic decision-making processes.

EDUCATION

Anadolu University

Eskisehir, Turkey

English Prep School

Graduation Date: Date

Eskisehir Technical University

Eskisehir, Turkey

B.S. in Statistics

Graduation Date: Date

PROJECT EXPERIENCE

Eskisehir Technical University

Eskisehir, Turkey

Web App for Statistical Analysis and Auto ML

Jun 2021 - Present

- As part of my thesis project, I created a Shiny web application that enables users to upload datasets and effortlessly perform statistical analysis and fit machine learning algorithms with just a few clicks. The application is developed using R, Python, Shiny, Reticulate, Scikit-learn, Seaborn, and other relevant technologies.

- As part of my participation in the TUBITAK Competition, I conducted a research project on the impact of games of chance on the youth, revealing that over 30% of young individuals exhibit signs of addiction to such games. Furthermore, a statistically significant difference between genders was observed, with a higher prevalence among males (SPSS, ANOVA, t-test, sampling methods for survey).
- Achieved recognition for the project as the 2nd project in the competition and exhibited my project in the Mediterranean regional finals.