

Melih Can KANMAZ

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melih-kanmaz

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Profile

Statistics student with a growing interest in DevOps and experience in automation and system optimization. Worked on projects involving application development with attention to reliability, scalability, and performance. Have a strong foundation in programming and statistical analysis, along with developing skills in cloud platforms, CI/CD pipelines, and infrastructure as code. Active in student organizations and international programs, where I gained teamwork and communication experience while learning how to connect technical solutions with practical needs. Explore my portfolio and detailed project work on my personal website.

Technical Skills

- Python - Numpy, Pandas, Matplotlib, Selenium, Scikit-learn, Tensorflow, Pytorch
- SQL - Database design, queries, joins, data manipulation
- R programming - Shiny, ggplot2, plotly
- Git - version control, GitOps - CI/CD
- Docker - Containerization, Docker Compose
- AWS - S3, EC2, IAM, cloud infrastructure management
- Linux - Bash – Shell scripting, process management, system tools
- Networking – TCP/IP, HTTP, DNS, basic network troubleshooting

Education

Bachelor Degree in Statistics - Middle East Technical University:

2020-2026, CGPA: 3.17

Kocaeli Science High School:

2016-2020

Projects

Traffic Sign Classification Project

Github Repo

2025 January: Course Project

My team and I developed a traffic sign classification model as part of the TKPR221 Fundamentals of Machine Learning course. We explored various machine learning techniques using the Mapillary Traffic Sign Dataset, including classical models, convolutional neural networks (CNNs), ensemble learning, and transfer learning.

Key Responsibilities

- Preprocessed and augmented image datasets to enhance model performance.
- Implemented and optimized machine learning models for traffic sign classification.
- Fine-tuned ResNet50 and tracked experiments using Google Colab and Neptune.ai.

Skills

Machine Learning, Deep Learning, Data Preprocessing, Image Classification, Model Evaluation, Hyperparameter Tuning, Python, TensorFlow, PyTorch, Team Collaboration

Analyzed historical Ethereum price data (2016-2024) to develop predictive models using time series techniques for the course STAT497 (Time Series Applications).

Key Responsibilities

- Preprocessed and analyzed Ethereum price data, ensuring stationarity and model readiness.
- Developed ARIMA, TBATS, Prophet, Neural Networks, and Exponential Smoothing models for forecasting.
- Evaluated models using MAPE, MAE, and RMSE metrics to determine the best-performing approach.

Skills

Time Series Analysis, Forecasting, Statistical Testing, Data Preprocessing, Machine Learning, Python (pandas, statsmodels, scikit-learn, tensorflow)

Cajun Corner

2023 November - 2024 January: *Survey Conductor*

My team and I conducted a customer satisfaction survey for Cajun Corner in METU.

Key Responsibilities

- Surveying customers to gather feedback on products and services.
- Analyzing survey data to identify trends and insights and preparing a report for the firm.

Skills

Data Collection, Data Analysis, Data Visualization, Interpretation of Results, Presentation Skills, Problem-Solving, Team Collaboration

Extracurricular Activities

METU Blockchain Community

2022 - 2024: *Education Coordinator*

One of the most successful Blockchain communities in Türkiye. Collaborated with a team of volunteers to develop and deliver educational content related to blockchain technology and its applications;

Key Responsibilities

- Organizing lectures and workshops (Youtube: @odtublockchain)
- Creating publications (Medium: ODTÜ Blockchain Topluluğu)
- Hosting meetings with leading people in the ecosystem (@odtublockchain)
- Organizing events (The biggest Blockchain summit in Ankara: @DaysBlockchain, I also had moderation of a panel at the event)

Languages

 Turkish - Native

 English - Advanced

Hobbies

- Sailing - Licensed
- Paragliding