

# Melih Can KANMAZ

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melih-kanmaz

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## Profile

Motivated statistics student with practical experience in data analysis and statistical modelling. Demonstrated leadership abilities and effective communication through active participation in various student organizations and international work experience. Currently focused on developing data science and machine learning skills through courses at METU and online platforms. For further information, you can visit my website.

## Education

**Bachelor Degree in Statistics - Middle East Technical University:**

2020-2026, CGPA: 3.11

**Kocaeli Science High School:**

2016-2020

## Projects

**Traffic Sign Classification Project**

**2025 January:** Course Project

Github Repo

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

**Ethereum Price Analysis with Time Series Applications**

**2024 December:** Course Project

Github Repo

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

## **Relevant Coursework**

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-  Machine Learning CS229 by Andrew NG (Stanford University Youtube channel)
-  Langchain Chat With Your Data by Harrison Chase (DeepLearning.AI)
-  ChatGPT Prompt Engineering for Developers by Isa Fulford, Andrew Ng (DeepLearning.AI)


## **Technical Skills**

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- Python - Numpy, Pandas, Matplotlib, Selenium, Scikit-learn, Tensorflow, Pytorch
- R programming - Shiny, ggplot2, plotly
- Git - version control, branching, merging

## **Languages**

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-  Turkish - Native
-  English - Advanced

## **Hobbies**

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- Sailing - Licensed
- Paragliding