



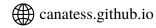
Can Ali Ateş

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EDUCATION

MSc in Computer Engineering, Hacettepe University

Sep 2024 - Present

BSc in Artificial Intelligence Engineering, Hacettepe University

Sep 2020 - June 2024

1st in AI Engineering Department 2nd in Faculty of Engineering

GPA: 3.76/4.00

EXPERIENCE

HAVELSAN (14 months)

AI Engineer Candidate Engineer July 2024 - Present

March 2024 - July 2024

July 2023 - August 2023

AI Engineering Intern

• Currently, working on the MLTrack project for improvements. Also, gaining experience in

- reinforcement learning. During candidate engineering, SKTime, TSAI, and Darts frameworks are utilized. The TS-Mixer
- and DLinear models were implemented for the MLTrack project in the field of time series During the internship; RocketRegressor, CNNRegressor, and ResNetRegressor models are utilized
- on NASA's Turbofan Jet Engine dataset for predictive maintenance in time series, achieving 15% RMSE and 84% accuracy.

DATASCOPE (6 months)

Founding AI Engineer

Sep 2023 - Feb 2024

- ARIMA, SARIMAX, and Prophet models are utilized for time-series forecasting
- Optuna framework is used for hyperparameter optimization
- Forecasting performance improved by an average of 60% in the cement, electricity, insurance, technology, and tire sectors.

TUSAŞ (13 months)

AI Engineering Intern

Dec 2021 - May 2022 / Nov 2022 - May 2023

- K-Means, DBScan, and Isolation Forest models are utilized for anomaly detection on sensor data
- Data labeling for object detection/segmentation is done to help computer vision team
- Gained experience in reinforcement learning by training and fine-tuning OpenAI GYM agents

GITEK VISION (3 months)

AI Engineering Intern

July 2022 - Sep 2022

- An algorithm is developed for creating dataset batches from scratch for industrial screw detection
- YOLOv3 model is utilized to enable fruit detection

PROJECTS

Smart Fridge (Graduate Project)



A pipeline that contains YOLOv8-S and ResNet-101 is utilized to detect fruits/vegetables and decay percentage to qualify the food waste. The project funded by European Union and conducted with Food Eng. Department.

Surfing the Bitcoin Waves

Machine Learning, Deep Learning, and Traditional Time-Series Forecasting techniques are utilized to investigate influence of various trader types such as whales, bots, and top traders over the Bitcoin market.

Industry Cycles App

ARIMA, SARIMAX, and advanced time series forecasting models are utilized to forecast year-over-year growth of different industries for one or two quarters further.

NeuroDeepAdvisor

The project utilizes YOLOv5 - YOLOv8 models and a custom CNN architecture. It aims to create a real-time decision support system for detecting Alzheimer's disease levels from MRI images and delivering pertinent information to doctors via a user-friendly GUI.

using a user-friendly GUI.

Project LEAFS The project based on incorporating Data Mining, Computer Vision, and Deep Learning. The primary aim of this project is to provide lecturers with valuable insights on lecture efficiency by detecting students' attitudes with YOLOv5

UNIVERSITY COURSES

- Principles of Artificial Intelligence
- Elements of Data Science
- Foundations of Machine Learning
- Introduction to Deep Learning
- Advanced Deep Learning
- Introduction to Computer Vision
- Pattern Recognition
- Fundamentals of Blockchain
- Fuzzy Logic
- Intro. to Data Mining
- Intro. to Human-Robot Interaction

TECHNICAL STACK

- Python as programming language
- Pandas, Scikit-Learn, Matplotlib Seaborn, Numpy, and OpenCV as primary libraries
- PyTorch, TensorFlow, and Keras, Optuna as primary frameworks
- PyCharm, VS Code, Jupyter Lab, Google Colab, Spyder as coding environment
- GitHub, Git, JIRA and BitBucket as version control systems

CERTIFICATES

- Standford University,
 - Machine Learning Specialization
 - o Deep Learning Specialization
- Vanderbilt University
 - Prompt Engineering Specialization
- NVIDIA
 - o Generative AI with Diffusion Models

LANGUAGES

- Turkish, Native
- English, Professional
- German, Beginner

SOCIETY

- Hacettepe AI Club
 - Corporate Affairs Manager
 - Supervisor
 - Member
- ACM Hacettepe
 - Member