Can Ali Ateş

Artificial Intelligence Engineer

I am a results-driven senior year Artificial Intelligence Engineering student with a strong passion and practical expertise in developing intelligent algorithms for complex problem-solving in Machine Learning, Deep Learning, Computer Vision, and Data Science. I am eager to contribute my skills and collaborate in a dynamic organization that values innovation and pushes the boundaries of AI-driven solutions.

EXPERIENCE

HAVELSAN
June 2023 - Aug 2023

AI Engineering Intern

- I have collaborated with my teammates on a Kaggle dataset that contains **time series data**, and together, we have **developed a Machine Learning Pipeline**.

Turkish Aerospace Industries
Nov 2022 - May 2023

AI Engineering Intern

- I have **developed a classification algorithm** by utilizing existing classification models, with the primary objective of facilitating **anomaly detection.**

Gitek Vision
July 2022 - Sep 2022

AI Engineering Intern

- I have **developed an algorithm** for **creating dataset batches from scratch** for **industrial screw detection**, and I performed **fine-tuning** on a **YOLOv3 model** to enable **fruit detection.**

Turkish Aerospace Industries
Dec 2021 - May 2022

AI Engineering Intern

- I worked with the **OpenAI GYM's CartPole-v0 agent** to gain experience in **Reinforcement Learning**, and **fine-tuned** the model to understand its underlying logic.

EDUCATION

BSc in Artificial Intelligence Engineering — 2020 - Present
Hacettepe University, Department of Computer Science — GPA: 3.71/4.00

TECHNICAL STACK

Programming Languages:

- **Python** is my **priority programming language**
- Also, I **have a programming experience** with **Java**, **SQL** and **C++**

Libraries & Frameworks:

- I have strong experience over **Pandas**, **Numpy**, **Scikit-Learn**, **Seaborn**, **Matplotlib**, **OpenCV** and **PyQT5.** I'm currently improving myself over **PyTorch**, **TensorFlow** and **Keras**
- I used **Cascade Trainer GUI**, **QT Designer** and **YoloLabel** tools for my projects

PROJECTS

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.

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 using a user-friendly GUI.

Fire Alarm Prediction
The project is a Machine Learning research conducted using Data Science. During this project, several classifiers were investigated to predict fire alarm triggering based on fire alarm gas measurements

Industrial Screw Detector
The project focused on circle detection using OpenCV. The detector generates its screw datasets and features based on user inputs, which are subsequently can used for CNN training.

Game Winner Guesser
The project that utilizes professional player in-game statistics to predict the win-lose status of the next game based on real-time game stats.

Contact

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Interests

- Artificial Intelligence
- Machine Learning
- Deep Learning
- Reinforcement Learning
- Computer Vision
- Data Science

Languages

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

Capabilities

- Research Proficiency
- Continuously Learning
- Multidisciplinary Working
- Critical Thinking
- Problem Solving
- Adapting to New Technologies

Society

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