

# 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