

KAĞAN CANERİK

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EDUCATION

Hacettepe University

Artificial Intelligence Engineering

GPA: 3.16/4.00

Tofaş Science High School, Nilüfer/BURSA

GPA: 95.5/100.00

EXPERIENCE

Candidate Engineer, SDT Space and Defence Technologies

September 2025 - June 2026

I have worked on object detection applications in satellite images taken with SAR sensors.

Intern, STM Defence

August 2025 - September 2025

I have conducted studies related to big data.

Intern, Baykar Technologies

June 2025 - August 2025

I worked on research and development in the Computer Vision team on projects focused on "Motion Deblurring".

Part Time, Binary Brain

August 2024- May 2025

I am involved in fine-tuning large language models (LLMs), collecting, cleaning and optimising the dataset.

Intern, ETIYA

July 2024-August 2024

I worked with various departments such as project managers, analysts and software developers in different stages of the project life cycle.

Yakamoz-AUV, Teknofest

Septembre 2023 - June 2025

I am preparing for the Teknofest Unmanned Underwater Systems competition with my Yakamoz-AUV team. I am responsible for target detection on the Jetson Nano computer.

PROJECTS

Design Project: Neural Network Optimization for Disaster Monitoring, Github

Developed a deep learning-based segmentation model for detecting wildfire regions from satellite imagery as a bachelor's capstone (graduation) project. Applied model compression techniques such as quantization and pruning to optimize the model for mobile and edge device deployment.

LesionScope, Github

I carried out a multi-task deep learning study on the segmentation and three-class classification of breast lesions in ultrasound images

Toxic-Comment-Arena, Github

I compared a fine-tuned BERT approach with a local LLM command-line approach for classifying multi-label toxic comments

Octagon Insights, GitHub

A machine learning project was developed that predicts who will win in future matches by analysing UFC matches between 1993-2021.

AquaGuard, Github

AquaGuard is a machine learning based system that monitors underwater pollution. It classifies pollution levels as low, medium and high with the YOLOv8 model and a special risk assessment algorithm.

PUBLICATIONS

The Future of AI: Machine Learning in Continuous Data Streams, Medium

Machine learning techniques have been examined to handle continuous data flows. With applications in sectors such as finance, IoT and health, the role of machine learning in real-time data processing is emphasised.

SKILLS

Programming Languages and Frameworks

Python, Java, C++, JavaFX, OpenCV, Pytorch, Keras, TensorFlow, Ultralytics, Transformers, Langchain, Selenium, Linux, Git, Github

Interested topics

Computer Vision, Natural Language Processing, Machine Learning, Deep Learning, Cuda Programming, Neural Network Optimization

Languages

Turkish, English(B2)