

Özlem Dilek Acar

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Summary

A Computer Engineering graduate with practical experience in AI, deep learning, and computer vision, I am eager to apply my skills in innovative areas like edge AI and real-time systems. A quick learner passionate about continuous development, I aim to contribute to challenging projects and grow within a dynamic team environment.

Experience

EngineerHub Program Participant, ASELSAN KONYA

(Nov 2024 – Jun 2025)

Focused on **edge AI** deployment on **NVIDIA Jetson**, involving **CNN/deep learning** model inference on **CUDA (ONNX/TensorRT/Pytorch)**, **Docker** containerization, **tracking algorithms** and **NVIDIA DeepStream** pipeline development for **real-time computer vision**.

Top skills: Jetpack SDK, Deepstream, Docker, Deep Learning, NVIDIA Environment, Conda Environment, Edge AI, PyTorch, CUDA, Python, Computer Vision, OpenCV, Linux/Ubuntu, ONNX, Object Tracking

Long-Term Intern, TORKU

(Feb 2025 - May 2025)

Revitalized an existing app (enhanced **UI/UX**, **backend** migration from **Firebase** to corporate **server** with **REST APIs / MVC architecture**, QR code system integration) and developed a new app (**Provider** for state management, **Hive** for local **database**, with **CRUD**, search, & **fl_chart** analytics).

Developed a license plate recognition system, utilizing a **YOLO** model for **OCR** to identify and save license plates to a database.

Top Skills: Flutter, UI, MVC, Mobile Application Development, Firebase, Provider, Hive, CRUD, SQL, No-SQL, Azure Data Studio, Docker, OCR, YOLO

Intern AI Engineer, OGZATECH

(Jul 2024 - Aug 2024)

Executed **data annotation** for **deep learning & machine learning** models; spearheaded an individual project developing a **Flutter** app with **YOLOv8** for **real-time** road defect detection, encompassing **data exploration**, **image processing**, **model training** for system integration

Top Skills: Deep Learning, Flutter, Python, Image Processing, Tensorflow, Keras, Pytorch

Data Analyst, Kapsül Technology Platform

Oct 2023 - Mar 2024

Executed end-to-end **data science** project phases focusing on **data exploration, pre-processing, analysis, visualization**; developed **Python** scripts for Konya's Open Data Portal (ensuring **data quality & standards**) and mentored at Datathon-2, utilizing **Trello** for project coordination.

Top Skills: Data Science, Analysis, Visualization, Python, Open Data, NumPy, Pandas, Matplotlib, Seaborn, ScikitLearn

Data Science Intern, Konya Metropolitan Municipality

Jul 2023 - Aug 2023

Ensured **Open Data** standards compliance for Konya Open Data Portal by examining and rectifying legacy **datasets**, focusing on rigorous **data pre-processing** and enhancing overall **data quality**.

Top Skills: Data Science, Data Analysis, Open Data, Python, NumPy, Pandas, Matplotlib, Seaborn

Education

Computer Engineering, Selçuk University - Bachelor's Degree (2021 - 2025)

- GPA: **3.25/4.00**

Skills

Python, Flutter, C++, Deep Learning, Machine Learning, Computer Vision, Edge AI, Object Detection, Image Processing, Data Analysis, Data Visualization, SQL, PyTorch, TensorFlow, Keras, OpenCV, ONNX, TensorRT, Docker, NVIDIA Jetpack, Linux/Ubuntu, Git & GitHub, Analytical Thinking, Problem Solving, Fast Learning, Team Collaboration

Projects

- Analyzing Plant Health Using Deep Learning and Image

Processing Techniques , **TEKNOFEST'2024 Final & TÜBİTAK 2242**

- Tumor Detection Using a Segmentation Method with Deep Learning on 3D Lung Images, **Final Project & Selçuk University**

- AIRehber: AI-Powered Assistant, **TEKNOFEST' 2024 Turkish Airlines TravelX Ideathon**

- Konya Open Data Portal [Data Analyst], **Kapsül Technology Platform**

- ROAD-SENSE: Real-Time Road Damage Detector , **OGZATECH**

Courses

& - Artificial Intelligence Specialization Program, **Republic of Türkiye Ministry**

Certificates	of Industry and Technology - Certificate of Achievement, TEKNOFEST - Data Visualization, Global AI HUB - Python Bootcamp, Global AI HUB - Data Analysis, Global AI HUB - Python for Machine Learning, Global AI HUB
Languages	English, B2 Turkish, Native
Articles Papers	& - Detection of Plant Diseases with Deep Learning for Productivity and Sustainability in Agriculture (The article is being prepared and will be published soon.) - ICENTE'24: 8th International Conference on Engineering Technologies , Detection of Plant Diseases with Deep Learning for Productivity and Sustainability in Agriculture
References	References available upon request