EMRE SEVİK

AI ENGINEER

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ABOUT

Computer Engineering graduate with hands-on experience in Artificial Intelligence, Machine Learning, Deep Learning, and Computer Vision. Experienced in developing real-time object detection, image processing, and tracking systems using YOLOv8, PyTorch, OpenCV, and TensorFlow. Worked on backend development and REST API projects using Python, SQL, JavaScript, Flask, and FastAPI. Familiar with Docker, Heroku, and Edge AI deployment workflows. Currently focused on building production-ready AI solutions involving Generative AI, LLM-based systems, RAG architectures, and AI Agents.

PROFESSIONAL EXPERIENCE

Artificial Intelligence Intern , Microsoft Summer School — **Jun 2026 - Present**

- Collaborating with a team to develop a customizable customer support assistant that generates context-aware responses using company documents, historical support tickets, FAQs, and user manuals.
- Developing a retrieval system using Python, Qdrant, and RAG architecture to vectorize documents, perform semantic search, and provide relevant context to an LLM.

Part-Time Website & Content Management | Istanbul Aydin University — **Dec 2025 – Feb 2026**

- Managed content updates and digital editing for 100+ university web pages, ensuring accurate and up-to-date information.
- Published 50+ content updates and maintained website organization to ensure accurate and timely information.

Artificial Intelligence Intern , Ithinka — **Aug 2025 - Sep 2025**

- I supported in data preparation, image labeling (CVAT, Roboflow), and model training processes based on YOLOv8; I contributed to increasing the accuracy rate through model optimization studies.
- I engineered a real-time face recognition-based attendance system using Flask and PostgreSQL; managed 1000+ face embedding data and created an employee tracking dashboard.

AI & Computer Vision Intern , Emayer — **Jul 2025 - Aug 2025**

- Built real-time object detection systems using YOLOv8 and YOLOv5-OBB for industrial automation projects, achieving 90%+ mAP with low-latency inference.
- Evaluated 5+ tracking models using precision, recall, and mAP to identify the highest-performing solution for industrial applications.

Core Team Member , Google Developer Groups (GDG) on Campus — **Sep 2024 - Feb 2025**

- Within the AI/ML team, I actively participated in the planning, organization, and execution of 6 AI-focused workshops.AI-focused workshops attended by 300+ students, increasing community engagement and knowledge sharing across campus.

EDUCATION

Bachelor of Science in Computer Engineering (English) — **Sep 2021 - Jun 2026**

Istanbul Aydin University

- Relevant Coursework: Machine Learning, Data Structures, Algorithms, Databases,Artificial Intelligence

PROJECTS

Founder & AI / Data Engineer — KapsulAI (SafeDose) — **Jan 2026 - Present**

- I contributed to the development of SafeDose, an AI-powered drug safety and monitoring application; the project won 2nd place in the AI'mpact Full-Stack AI Agent Hackathon and was accepted into the ITU Seed pre-incubation program.
- In the Swift-based mobile application, I and LLM-supported explainable analysis structures for drug-drug and drug-food interaction analysis. The application is available on the App Store.

ADDITIONAL INFORMATION

- **Programming:** Python, Java, SQL, JavaScript
- **AI:** YOLOv8, PyTorch, TensorFlow, OpenCV, Scikit-Learn,Flask, FastAPI, REST API
- **Certifications:** Miuul Makine Öğrenimi Kampı,Makine Öğrenimi Algoritmaları – BUSIBER Boğaziçi,Advanced Learning Algorithms – DeepLearning.AI,Supervised Machine Learning: Regression and Classification – DeepLearning.AI