

Emirhan AYDIN, Senior Computer Engineering Student
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SPECIALTIES

RAG, MCP, Ai Agents, VectorDBs , Python, CUDA, TensorFlow, PyTorch, Deep Learning, Machine Learning, Docker, Flask, Django, React, React Native, TypeScript, JavaScript, ASPNET, Data Analysis

Languages

Turkish (Native)

English(Upper intermediate)

Education

Computer Engineering 09/2022 - 07/2026

Kocaeli University, Izmit, Kocaeli

GPA: 3.04

Experience

LIFT UP Graduation Project, Turkish Aerospace Industry (TAI), 10/2025 - present

Machine Learning and AI Intern, Kocaeli University Computer Engineering, 07/2024 - 08/2024

Receptionist, Mövenpick Trabzon, 07/2023 - 08/2023

Course

ECommint Ai & SAP Bootcamp 2025 - ECommint

Elements of Ai - University of Helsinki

Volunteering and Clubs

Sende Ses Ver, audiobook narration project at Kocaeli University's audio library for visually impaired,
IEEE KOU, Member

Huawei Students Developers KOU, Finance and Sponsorship

Google Developer Student Club KOU, Member

TAISAT, Autonomous Team Member

Projects

- Locally Runnable DeepResearch-Enabled Search Engine for TAI LIFT-UP** (RAG, LLM, Deep Search, CUDA, Python, LangChain, Ai Agents)
- E-Commerce Website and Structural RAG-Based Agentic Chatbot** (Python, LangChain, RAG, SqLite, flask, LLM, Ai Agents)
- Agentic Coffee Chatbot with Local LLM** (Python, LangChain, Ai Agents, Groq)
- Llama Intellectual Chat Bot** (RAG, LangChain, Python, FAISS, Flask, LLM)
- Aspnet Core Web Application with React for Resume Generator** (Aspnet Core, React, Docker, LLM, Generative Ai)
- Fleet Manager Robot Simulation in Matlab App Designer** (Matlab, Path Algorithms)
- Zoo Classification Model in Flask Web Site** (ViT, Machine Learning, Flask, Python)
- Web Scraping for Zoo Classification Test Data** (web scraping, Python)
- Paper Anonymization and Journal Review** (NLP, Flask, SqLite, AES, Poppler, Python)
- Stock simulation with using Threads, Mutex and Semafor** (C#, Thread, Mutex, Semaphore, SQL)
- Turkish NLP Sentiment Analysis** (Python, NLP, Sentiment Analysis, Machine Learning)
- Mask R-CNN with ResNet-101 FPN for Thermal Imaging** (Machine Learning, Mask R-CNN, ResNet-101 FPN)
- Assembly I8086 Codes** (Assembly, Intel 8086)
- Arduino Brick Breaker Game** (Arduino, C++, TM1637 7-segment, Sensors)
- Reservoir Area and Cost Calculation Application with C** (C, Graph.h)
- Social Media User Graph Analysis** (Python, NetworkX, Matplotlib)
- UGV Ground Controller Desktop Application** (C#, Windows Forms)
- Scrabble Mobile Application with React Native** (React Native, TypeScript, Docker)
- Portfolio Web Site** (React, JavaScript)