Emirhan AYDIN
Computer Engineering Student, Kocaeli University
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Github (EmrhnAydn), Kaggle (emirhannaydinn)

SPECIALTIES
Data Analysis, Machine Learning, Deep Learning, Ai, Python, PyTorch, Tensorflow, CUDA, Flask, Docker, React, React Native, OOP, C#, ASP.NET

Skills

Java, SpringBoot, C, C++, Ardunio, Circuit Design, Assembly, Microprocessors, TypeScript, Agile Software Development, Scrum Framework, Kanban Workflow, Trello, Git, Slack

Languages

Turkish (Native)
English(Upper intermediate)

Education

BSc, Computer Engineering 09/2022 - 07/2026(estimated)

GPA: 2.98

Kocaeli University, Izmit, Kocaeli

High School Diploma, 09/2016 - 06/2020

Tevfik Serdar Anadolu Lisesi, Ortahisar, Trabzon

GPA: 91.3495

Experience

10/2025 to now: LIFT UP Graduation Project – Turkish Aerospace Industry (TAI-TUSAŞ)
07/2024 to 08/2024: Machine Learning and AI Intern – Kocaeli University Computer Engineering
07/2023 to 08/2023: Receptionist - Mövenpick Trabzon

Course

ECommint Ai & SAP Bootcamp 2025 - ECommint
Elements of Ai - University of Helsinki

Volunteering

09/2022 to present: IEEE KOU - Member

09/2022 to present: Google Developer Student Club KOU - Member

06/2023 to 07/2024: Finance and Sponsorship - Huwaei Students Developers KOU

01/2024 to 07/2024: Game Development Team Member - Google Developers Student Club KOU

07/2023 to 10/2023: Autonomus Team Member - TAISAT

Projects

DeepResearch Featured Search Engine That Works Locally: using RAG, LLM, Deep Search
Coffee Chatbot with Local LLM: Confirms the use of langchain, langchain-openai, tiktoken, pydantic, and rapidfuzz for AI/ML and natural language processing, specifically for a conversational agent interacting with a coffee ordering system.
E-commerce Chatbot: Built a multi-agent recommendation system using Google Gemini, CrewAI, and LangChain to analyze user intent, match categories, research products, and generate personalized suggestions.
Thermal Bridge on Buiding Rooftops Detection and Segmentation: Detect and segment the thermal image's anomaly using Mask R-CNN, ResNet-101 FPN, Detecron2 Model Zoo.
Academic Paper Anonymization: Application that provides secure communication between article authors and referees with NLP, NER, AES encryption method, Gaussian Blurring, Flask and SqLite, Poppler.
Social Media Data Analysis: The Python Script analyzes big data from twitter(x) with NLP, BFS, DFS and Hash Tables. It creates users graph and visualizes the graph . It explores relationships and interests.
Scrabble Mobile App: Real time game designed React Native Expo, TypeScript, WebSocket, AppWrite and scrabble game's algorithms.
Ground Control Computer Desktop App: The app designed for UGV team and using advanced C#, Windows Form, .NET framework and LoRa Module.
Brick Break Game with Arduino: I developed a brick break game script with C++ and designed a Ardunio circuit with Arduino board, OLED display, TM1637 7-segment display, buttons, potentiometers.
Stock Simulation with Threads, Mutex and Semafor: The project is a stock simulation with advanced programming methods in C#.
Animal Classification Website: Responsive site include a model trained with deit-base-patch-16-224, CUDA device. Model performance and prediction scores can be obtained by uploading image files and test folders. It is powered by Flask, MVC.
Generate Resume Website: This application generates resumes with OpeanAi key. The technologies used are ASP.NET Core 8.0, Docker, MVC, Entity Framework, Rest Api, Firebase, React.js, Bootstrap, Cookies, JWT, Bcrypt, OpenAi Api Plartform.