

Ali Altunoğlu

Jr. AI/ML Engineer

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ABOUT ME

Hello, I belong to the fourth year of software engineering students, and my interest areas are computer vision and deep learning. I am focusing on programming and data analysis tools to deepen a set of techniques that use ML and deep learning after acquiring a vital knowledge base. Recently, I worked quite well at recognition, treatment of graphical images and meticulous refinement of model performance. I will also explore MLOps so as to optimize the deployment and scalability of ML models. My career goal is to focus on continual learning, put what I know into real-world projects, and follow the latest trends in data science and computer vision closely.

PROJECTS

Classification of Real and Fake Face Images

- Implemented and optimized deep learning models for face image validation using pre-trained CNNs (MobileNetV3, ResNet50, etc.) and custom designs, achieving an average accuracy of 98%.

Real-Time Fire Detection System

- Built a deep learning model for real-time fire detection using Python and TensorFlow.
- Achieved high accuracy in live video streams with optimized image processing.

Other Projects on Github

PROFESSIONAL EXPERIENCE

SolonPort | Artificial Intelligence Research and Development Intern

September 2024 - Present

- Solon Port, I am working on optimizing container and ship placement using digital twin technology and genetic algorithms.

Sistek Computer Software and Consulting Inc. | Machine Learning Intern

July 2024 - September 2024

- Developed and deployed machine learning models for material forecasting and fault code prediction, optimizing model performance and accuracy.
- Integrated models into a web environment using Docker and Flask, enabling real-time predictions for client applications.

Turkish State Mint and Security Printing | Web Developer Intern

July 2023 - August 2023

- Developed a web-based document management system using PHP and MySQL, integrating MERNIS for person verification and a request tracking system for certificate stamping.

EDUCATION

Karadeniz Technical University

September 2021- June 2025

Software Engineering, Bachelor's Degree

Academic Overall Average: 3.52

CERTIFICATIONS

BTK Akademi – Deep Learning with Keras
May 2024

Akbank Data Analysis Bootcamp
May 2024

Udemy – Image Processing with Deep Learning
May 2024

BTK Akademi – Machine Learning with Python
April 2024

BTK Akademi – Programming with C++
March 2023

SKILLS

Technologies: Python, Java , Spring Boot, Java Mobile App, C++, C, MySQL, Azure, Git, Django

Interest: Chess, Theatre, Photography

Abilities: Machine Learning, Deep Learning, NLP, Data Science, Data Analysis, Data Structure

Language: English (Intermediate)

REFERENCES

Prof. Dr. ÖZCAN ÖZYURT

0505-549-7798

Res. Asst. HAKAN AYDIN

0546-274-2554