Ahmet Ruçhan AVCI
Computer Engineer

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PROFILE

I graduated as the valedictorian of my computer engineering program. I have developed myself in software development, artificial intelligence, and machine learning. I am proficient in Python and C and i develop projects using TensorFlow, Scikit-Learn, Keras, and OpenCV. With my leadership and management experience, I aim to work as a software engineer and project manager. I aspire to take a pioneering role in AI and ML, engage in interdisciplinary studies, and create innovative solutions.

PROFESSIONAL EXPERIENCE

TÜBİTAK BİLGEM, *Intern Machine Learning Engineer* 06/2023 – 09/2024 | Gebze / Kocaeli

Under the roof of B3LAB (Cloud Computing and Big Data Research Laboratory); I've worked on data science, data analysis, data preprocessing, data visualization, machine learning, and deep learning algorithms. I worked on the artificial intelligence-supported washing machine project: STORAIGE, which is a European Union project.

My task in the project was to complete the data analysis and data visualization steps, and then develop a functional artificial intelligence model by combining relevant data with machine learning and deep learning algorithms.

EDUCATION

Beykent University, 06/2024 | İstanbul, Türkiye
Faculty of Engineering Computer Engineering - 3.64 GPA

I graduated as the valedictorian of my computer engineering program

Adile Mermerci High School, *Mathematics Science* 07/2019 | İstanbul, Türkiye

PROJECTS

TEKNOFEST and European Rover Challenge, 09/2024
Autonomous Ground Rover

Leading the artificial intelligence development for an autonomous ground rover project competing in the European Rover Challenge (ERC) and TEKNOFEST Aerospace Festival. Implementing AI, machine learning algorithms and computer vision systems using ROS framework and Jetson Orin Nano platform. The project combines embedded systems programming, deep learning, and robotics to create a fully autonomous rover capable of completing complex tasks independently.

DetectHub, *Computer Vision* 04/2024

DetectHub is a community platform focused on computer vision, AI, machine learning, and object detection. Users can create and share AI models, datasets, and projects, as well as collaborate with others.

LANGUAGES

English: *Fluent* | **Turkish:** *Native* | **Spanish:** Basic

INTERESTS

Aikido: (Shodan: Officially Licensed Black Belt) | **Science** | **Space and Technology** |

Book and Authorship | **Art and Design**