






# AHMET RUÇHAN AVCI

## COMPUTER ENGINEER

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### ABOUT ME

I recently graduated as the valedictorian of my computer engineering program. During my education, I have continuously developed myself in the areas of software development, artificial intelligence, and machine learning. I am proficient in programming languages such as Python, C, and JavaScript. Using these languages, I can develop computer vision applications by leveraging libraries like TensorFlow, Scikit-Learn, and Keras. I also work on computer vision projects utilizing the OpenCV library.

Through my studies, I have gained strong leadership skills and management experience that will enable me to work as a software engineer or project manager in the future. My teamwork, problem-solving, and decision-making abilities will support my success in my future career. My goal is to take a pioneering role in the fields of artificial intelligence and machine learning, leveraging my software knowledge, analytical thinking, and leadership qualities. Towards this end, I aim to conduct interdisciplinary studies and provide innovative solutions that enhance the user experience.

### EXPERIENCE

#### Intern Machine Learning Engineer, TÜBİTAK BİLGEM

June 2023 - Sep 2023

- 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

June 2024

Faculty of Engineering Computer Engineering - **3.64 GPA**

- I graduated as the valedictorian of my computer engineering program

#### Adile Mermerci High School

July 2019

Mathematics Science

### PROJECT

#### TEKNOFEST and European Rover Challenge

September 2024

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

April 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.

### ADDITIONAL INFORMATION

- Languages:** English, Turkish.
- Hobbies and Interests:** Aikido (Shodan: Officially Licensed Black Belt), Swimming, Science, Space and Technology, Book and Authorship, Art and Design