Ali Firat Celik

Ankara, Turkey

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Sophomore undergraduate student in Computer Engineering at Middle East Technical University (METU).

Education

Middle East Technical University (METU)   **Ankara, Turkey**
Bachelor of Science in Computer Engineering   *2022 – 2027*
Ranked 566th out of 3 million participants in Türkiye's National University Entrance Exam (YKS).

Personal Projects

METU SKSDB Reservation System Automation
Developed an automation tool for reserving gym slots on METU's SKSDB system using **Python** and the **Selenium** library. Integrated audio-to-text models to solve Google's CAPTCHA during development. Since CAPTCHA only appeared once per session on the login page, the automation did not get flagged as a bot.

METU Registration System Automation
Built a tool to automate METU's course registration system using **Python** and **Selenium**. Implemented **Tesseract OCR** for solving CAPTCHAs and applied **OpenCV** to preprocess noisy text images.

trolls2.xyz
Co-developed a static website used weekly by 2,000–3,000 engineering students to access solutions for Pearson homework in PHYS 105 and 106. Built with **HTML**, **CSS**, and **JavaScript**. Hosted on **Netlify** with continuous deployment from GitHub. Gained valuable experience in frontend development and version control.

Open-Source Contributions

Authored GitHub Issues
Submitted Pull Requests to public repositories

Work Experience

METU AIRLAB, Informatics Institute, METU   **Ankara, Turkey**
Undergraduate Research Assistant   *May 2025 – Present*
Working under Assoc. Prof. Dr. Erdem Akagündüz on a TÜBİTAK TEYDEB-funded project involving **Deep Learning** for **vision and graphics**. The project focuses on developing a prototype system that generates interactive graphics in real-time using live camera input. Gaining hands-on experience in machine learning, computer vision, and real-time systems.

Languages

Turkish: Native proficiency

English: Fluent proficiency