

Ali Firat Celik

Ankara, Turkey

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3rd year 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
Ranked 566th out of 3 million participants in Türkiye's National University Entrance Exam (YKS).
2022 – 2027

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 – September 2025
Worked under Assoc. Prof. Dr. Erdem Akagündüz on a TÜBİTAK TEYDEB-funded project involving **Deep Learning** for **vision and graphics**. The project focused on developing a prototype system that generates interactive graphics in real-time using live camera input. Gained hands-on experience in machine learning, computer vision, and real-time systems.
- **METUApp** Ankara, Turkey
Maintainer July 2025 – September 2025
Contributed to the maintenance of **METUApp**, the official mobile application used by METU students. Primarily responsible for diagnosing and resolving user-reported bugs, reproducing issues, and verifying fixes. Collaborated with the development team to improve application stability and user experience. Gained practical experience in large-scale mobile app maintenance and quality assurance workflows.

Languages

- **Turkish:** Native proficiency
- **English:** Fluent proficiency