

Duygu Ayvaz

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Education

B.Sc. in Computer Engineering

Recep Tayyip Erdoğan University, Rize

2021 – Present

High School

Bafra Anadolu Lisesi, Bafra, Samsun

Graduated 2021

Experience

Intern, isTechSoft Software Technologies

July 2025 – August 2025

- Developed full-stack web apps using React, Node.js, and MongoDB.

Projects

- **Smart Pedestrian Detection System** – ESP32-based system with AI voice assistant and V2V communication. Accepted at IEEE-UBMK 2025.
- **MediaShelf** – Full-stack web app for managing movies, series, books, and documentaries. GitHub
- **Vocabulary Wave** – Interactive web app for learning and practicing vocabulary. GitHub
- **Console Applications** – CRUD apps in C, C++, C#, Java. Applications available on GitHub

Publications

- D. Ayvaz, et al. "Smart Surveillance for Pedestrian Protection," accepted at **IEEE-UBMK 2025**.

Achievements

- **Teknofest 2025** – Pedestrian Protection System, *ÖDR Stage, Score: 70.67/100*.
- **Teknofest 2024** – Intelligent Traffic Management System (ATYS), *Advanced to PDR Stage, ÖDR Score: 66.67/100, PDR Score: 51.67/100*.
- **Teknofest 2023** – Smart Sensor Green Eyes, *ÖDR Stage, Score: 68.33/100*.
- **TÜBİTAK 2209-A Research Project**, "Green Detector Developer," 2022/2 (Preliminary Stage).

Technical Skills

Languages: C, C++, C#, Java, JavaScript, Shell Scripting, Python, SQL, R

Embedded Systems: ESP32, IoT Development

Frameworks: React, Node.js, Express.js

Tools: Git, Linux, VSCode, Visual Studio Community, Eclipse, IntelliJ IDEA, R Studio, Postman

Languages

Turkish (Native), English (Upper-Intermediate)