

# Emre Samet EROĞLU

İzmir, Turkey

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## EDUCATION

### DÜZCE UNIVERSITY

Computer Engineering (English)

Düzce, Turkey

Sep 2021 – Present

- President, DÜSİBER Cyber Security Community (2024–2025)
- Member, Google DSC Düzce Hackathon Team (2023–2024)
- GPA: 3.26/4.0
- Focus areas: Artificial Intelligence, Computer Vision, Backend Development, Cloud Computing

### İZMİR ÇİĞLİ SCIENCE HIGH SCHOOL

İzmir, Turkey

Sep 2017 – Jun 2021

## EXPERIENCE

### Ecumasters Düzce

Automotive Tuning Trainee

Düzce, Turkey

Oct 2024 – Dec 2024

- Boosted engine performance by 15% and fuel efficiency by 10% via CAN Bus ECU tuning.
- Resolved 20+ software-hardware integration faults by conducting real-time diagnostic testing and data logging.

### Öztaş Metal Solutions

Computer Engineering Intern

Manisa, Turkey

Aug 2024 – Sep 2024

- Redeveloped an internal R&D project, boosting performance by 30% and efficiency by 20%.
- Gained hands-on experience in embedded systems, XAMPP, SQL databases, and network troubleshooting.

## PROJECTS

**AI-Powered Smart Route Planning App (Flutter, AI, Google Maps API)** — Developed an AI-powered Flutter app with Google Maps API integration to optimize multi-destination routes, reducing travel time by 20%.

**Music Genre Detection (MATLAB, Machine Learning)** — Built and optimized a machine learning model for music genre classification with 85% accuracy.

**Gym Management Application (C#, SQL)** — Developed a desktop app to manage member data, attendance, and monthly reports.

**Multi-Scale Arduino Weighing System** — Created an embedded system using Arduino, HX711, and Nxtion display for real-time calibrated weight measurement.

## TECHNICAL SKILLS

- Languages:** Python, Java, C/C++, C#, SQL, JavaScript, Dart, MATLAB
- Frameworks & Libraries:** FastAPI, Flutter, React.js, Node.js, Express.js
- Tools & Platforms:** AWS, Google Cloud, Docker, Git, SQLite
- Cybersecurity & Embedded:** Burp Suite, Metasploit, Wireshark, Arduino, CAN Bus
- Spoken Languages:** Turkish (Native), English (Intermediate), German (Beginner)