Safa Berberoğlu

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Profile

Dynamic Computer Engineering student and technical community lead with a proven talent for bridging cross-platform software development and IoT hardware integrations. Demonstrated impact by spearheading hands-on embedded systems bootcamps for 80+ developers and designing localized digital platforms for university administration. Motivated to drive product innovation, I leverage my core expertise in Flutter, Python, C/C++, and cross-functional leadership to build scalable, user-centric technology solutions.

Professional Experience

Technical Team Lead, Huawei Student Developers, Edirne

Dec 2025 to Present

- **Spearheaded** hands-on hardware bootcamps, training an 80-person cohort in embedded systems and IoT architecture from scratch.
- **Facilitated** cross-university tech panels and virtual seminars, driving community engagement and technical discourse.

IT Support Specialist (Part-Time), Trakya University, Department of Information Technology, Edirne

Dec 2025 to Present

- **Managed** database operations and utilized graphical user interfaces (GUI) to ensure smooth technical workflows.
- **Provided** maintenance support for mobile applications and utilized MS Excel for operational data tracking and reporting.

IT & Administrative Assistant (Part-Time), Trakya University, Department of Student Affairs, Edirne

Jan 2025 to Jun 2025

- **Streamlined** student form processing and document management operations using MS Office applications.
- **Designed** and deployed the English version of the Student Affairs website to improve accessibility and user experience for international students.

Education

Trakya University, Edirne

Computer Engineering, Oct 2023 to Jun 2027

- **Relevant Coursework:** Software Engineering, Data Structures, Web Technologies, and Embedded Systems.
- **Focus Areas:** Full-stack web & mobile application development, IoT hardware integration, and cross-platform software architecture.
- **Activities:** Developing hardware-software integrated projects, organizing technical workshops, and actively participating in developer communities.

Projects

Smart Remote – IoT TV Control System (2026)

- **Engineered** a real-time IoT system integrating NodeMCU (C++) and a Flutter application via **MQTT protocol** for low-latency device control and state synchronization.
- **Implemented** an IR-based hardware interface to bridge physical home appliances with a modern mobile dashboard.

DevDiary – Privacy-Focused AI Note Analyzer (2026)

- **Engineered** a privacy-centric backend utilizing **FastAPI** to integrate **Local LLMs** for automated note categorization and sentiment analysis.
- **Developed** a secure **RESTful API** architecture with **PostgreSQL** to manage data persistence while ensuring zero-cloud dependency for user data.

Examify – Exam Preparation App (2025)

- **Developed** a real-time data tracking infrastructure using Flutter and Firebase, allowing users to analyze their test scores and compare results with peers.

Areas of Expertise

• English (B2)	• Python	• Java	• C/C++
• Dart	• Flutter	• SQL & Firebase	• FastAPI
• HTML / CSS / JavaScript	• ASP.NET Core	• IoT & Embedded Systems	• VHDL