

ALPEREN KELEŞ

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Computer Engineering graduate (June 2026) with hands-on experience in backend development, full-stack web deployment, and network-security systems. Seeking a Junior Software Engineering role.

EDUCATION

Dokuz Eylül University İzmir, Türkiye

B.Sc. in Computer Engineering — June 2026

- Graduation Thesis (defended): LoRa-based long-range emergency messaging system without internet on ESP32, with routing and delivery-confirmation logic.
- TÜBİTAK 4007 Science Festival — Certificate of Appreciation for role as Guide

WORK EXPERIENCE

Kolcuoğlu Florya — Freelance Full-Stack Developer April 2026 – June 2026

- Designed and deployed the restaurant's official website (Next.js, TypeScript, Tailwind, Prisma) on Vercel, with a Zod-validated reservation form.
- Achieved an 89% GTmetrix score, 2.1s Largest Contentful Paint, and zero Cumulative Layout Shift through Next.js performance optimization.

kolcuogluflorya.com

Uzman CRM — Intern Backend Developer Jul 2024 – Sep 2024

- Developed and maintained backend features for the Kahve Dünyası Portal API (C# / .NET) on a live production system.
- Debugged integration issues during active development cycles, improving API stability.

Kıvanç Enerji — Freelance Application Developer August 2025 · Tarsus, Mersin

- Built a Python dual-scanner industrial barcode tracking system, automating panel registration and eliminating manual tracking.

PROJECTS

Restaurant Wi-Fi Captive Portal & Law No. 5651 Compliance Logging Independent Development / Lab

- Developing a Node.js/Express guest Wi-Fi system with SMS OTP, RADIUS, syslog and log-integrity checks. Tested in simulation and ESP32 development setups; not deployed at a customer site.

Side-Channel Attack Analysis on AES-128 (ESP32) Academic Research

- Applied Differential/Correlation Power Analysis on 1,000 simulated power traces (ChipWhisperer) to recover the full 128-bit AES key; proposed masking-based software countermeasures.

github.com/alperenks/AES-Side-Channel-Analysis

SKILLS

Programming & Tools: C# (.NET), Python (Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow), Java, C, JavaScript/TypeScript, SQL, Git

Networking & Security: pfSense, FreeRADIUS, MikroTik RouterOS, Suricata IDS, Caldera BAS, Wi-Fi Captive Portal Design, Applied Cryptography (AES), Side-Channel Analysis (DPA/CPA, ChipWhisperer)

Languages: Turkish (native), English (C1)

CERTIFICATES

Machine Learning Specialization (3 courses) — Stanford University / DeepLearning.AI

REFERENCE

İsmihan Baysal Anderson — IT & Automation Director, Sabiha Gökçen International Airport · linkedin.com/in/ismihanbaysalanderson