



Duhan Ayberk Seven

Computer Engineering Major

Education

Cankaya University

2022 - 2026

Okyanus Collage

2018 - 2021

Skills

- C#
- C/C++
- Python
- JavaScript Frameworks
- HTML
- CSS
- Flutter
- Firebase
- Unity
- Autodesk Inventor
- 3D Mechanical Design
- Arduino Programming
- Frontend & Backend Dev.
- Mobile Development
- IoT Systems

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Summary

Senior Computer Engineering student at Cankaya University specializing in IoT systems and mobile application development. Experienced in designing smart home ecosystems and developing end-to-end solutions, including custom web-integrated cloud infrastructures. Adept at database management, system optimization, and overseeing the full application lifecycle from development to commercial publishing. Passionate about building scalable, secure, and user-centric technologies.

Projects

2025

-
2026

LCC Technology

i-BioSafe — IoT air-quality monitoring & control platform

- Implemented the ESP32-side Firebase Realtime Database layer: path layout for telemetry, status, command streaming, and weekly schedules, aligned with the provided embedded firmware interface.
- Delivered the Flutter stack: Firebase Auth (Google Sign-In), live RTDB subscriptions, multi-device state handling, and App Check hardening for production builds.
- Integrated BLE Wi-Fi provisioning and QR device onboarding with the cloud data model (ownership / access), plus real-time monitoring UI, fan control, child lock, and time-series charts over cloud-backed data.

2025

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2026

Cankaya University

IoT Smart Home System — Environmental monitoring, AI-assisted security & remote control

- Edge & gateway — As a team, we ran a Raspberry Pi edge stack (DHT11, MQ-2, PIR, soil moisture, camera) that sent telemetry and security events over HTTP to a FastAPI gateway, with cloud-driven resident / face-embedding sync for on-device matching.
- Cloud — We centralized data on Supabase (PostgreSQL, Auth, Realtime, Storage): ingestion from the gateway, structured alerts/events, and snapshot storage for camera workflows.
- Clients — We delivered React and Flutter apps against Supabase with live subscriptions, dashboards and history charts, resident photo management, and local notifications for critical alerts—aligned with our web/mobile feature set