MERT EGE ÇELİK

Computer Engineering Student • Backend & Swift Developer

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PROFILE & SUMMARY

Sophomore Computer Engineering undergraduate at Istanbul Aydin University. Focused on turning core computer science fundamentals (algorithms, data structures, computer architecture, networks) into practice through modern software tools and open-source projects. Specializing in backend architectures, Swift, Vapor, and server technologies with a focus on system design, database optimization, and scalable infrastructure.

EDUCATION

Istanbul Aydin University 2024 – 2028 (Expected)

Faculty of Engineering — B.Sc. in Computer Engineering (Sophomore / 2nd Year) | GPA: 2.97 / 4.00

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming (Java/C++), Operating Systems, Computer Networks, Database Management Systems (SQL/NoSQL), System Programming, Computer Architecture, Software Engineering Principles.

Dede Korkut Anatolian High School 2019 – 2023

Science and mathematics-focused high school education, analytical thinking, and mathematical foundations

EXPERIENCE & EXTRACURRICULAR ACTIVITIES

Software Engineering Intern — Floow Tech October 2026 | Istanbul

Full-Stack & Microservices Engineering Team

- Contributed to the development of microservice architectures and performance optimizations as part of the full-stack engineering team.
  Technologies: Java, Spring Boot, PostgreSQL, Docker, Git

Social Media Coordinator — IAU Codeverse 2025 – 2026 | Istanbul

University Software & Algorithms Community

- Planned social media content and managed event announcements for a university community organizing software development and algorithm workshops.
- Participated in planning and coordinating technical community events and member engagement initiatives.

FEATURED PROJECTS

Swift-Based Server Monitor (Backend Microservice) Swift • Vapor • Linux

github.com/mege315/swift-server-control

- Developed a microservice application using Swift and Vapor that monitors server health in real time and collects system performance metrics.

Server Monitor Client (Desktop Application) Swift • SwiftUI

github.com/mege315/ServerMonitor-Client

- Built a native macOS desktop client application with SwiftUI that visualizes real-time server metrics provided by the backend API.

TECHNICAL SKILLS

- **Programming Languages:** Swift (iOS & Server-Side), SwiftUI, Python, JavaScript / TypeScript, SQL
- **Backend & Web Architectures:** Swift Server, Vapor, Express.js, RESTful API Design, HTML5 & CSS3 (Responsive)
- **Databases & Storage:** PostgreSQL (Indexing & Data Consistency), MySQL (Data Modeling & ACID)
- **Tools & DevOps:** Git & GitHub, Docker (Containerization & Dockerfile), Linux / Bash, Postman

CERTIFICATIONS & LANGUAGES

- **BTK Academy Swift Course (BTK Academy, 2025):** Comprehensive training on Swift programming and iOS development.
- **Meta Front-End Developer Course (Coursera, 2026):** Modern front-end web development standards and UI architecture.
- **Languages:** Turkish (Native) • English (B2 — Upper-Intermediate)