

## EDUCATION

---

- **Istanbul Arel University** Istanbul, Türkiye  
*Bachelor of Engineering – Computer Engineering (3.95/4.00)* Aug. 2021 – Present

## EXPERIENCE

---

- **Istanbul Arel University / TÜBİTAK TEYDEB 1505** Buyukcekmece, Istanbul  
*Scholarship Student* Feb 2025 - Present
  - **Project Name::** Akıllı Evler ve Binalar İçin Matter Protokolü Uyumlu Kablosuz Akıllı Anahtarlar, Prizler ve Algılayıcı Eko Sistemi Geliştirilmesi
  - **Summary:** Worked on a smart building project involving image processing and mobile data visualization. Developed C-based algorithms to process infrared camera data for enhanced human detection. Also implemented mobile application features to fetch, filter, and display sensor data using charts and tables, enabling real-time monitoring and control of smart devices.
  - **Tech Stack:** C, Dart, Flutter

## PROJECTS

---

- **Kanuni Sultan Süleyman Hospital – Smart Hospital System**
  - **Summary:** Contributed as part of a development team to build an integrated healthcare solution including a patient mobile app, staff mobile app, admin desktop panel, and a Java Spring Boot REST API. The system improves hospital communication, real-time navigation, emergency response, and centralized management, optimized for low-infrastructure environments at minimal cost.
  - **Tech Stack:** Java, Spring Boot, Dart, Flutter, JavaScript, Electron
- **Arelim University Webpage Vulnerability Report**
  - **Summary:** Conducted a comprehensive security analysis of arelim.arel.edu.tr. Identified critical issues including unauthorized access, data leaks via REST APIs, XSS vulnerabilities, and SQL injection. Provided detailed exploitation scenarios and OWASP-based mitigation strategies.
  - **Tech Stack:** Broken Access Control, SQL Injection, Cross-Site Scripting
  - **Advisor:** Asst. Prof. Dr. Tugberk KOCATEKIN
- **Full-stack Flashcard App**
  - **Summary:** Full-stack web application that people can create flashcard sets and share these as they like: publicly or just with their friends. Has a solid and secure auth system, using JWT, salts, pepper, and Argon2. Has friends system, and an admin panel.
  - **Tech Stack:** C# .NET, MVC, Javascript, JWT, MySQL, AWS, HTML, CSS
- **Lecture Content Fetcher**
  - **Summary:** Python script that logs into Arel UZEM and downloads new lecture content.
  - **Tech Stack:** Python, Requests, BeautifulSoup
- **Arcade Games App**
  - **Summary:** A super app with classics like Snake, Tetris, Pacman built with Pygame.
  - **Tech Stack:** Python, Pygame
- **eCommerce Full Stack**
  - **Summary:** Full-stack e-commerce app with Swagger docs, auth, tests, and responsive frontend.
  - **Tech Stack:** Java Spring Boot, React, TypeScript, MySQL, AWS

Check my website, GitHub page, or LinkedIn page for more:

## SKILLS

---

- **Programming Languages:** Java, Javascript, Typescript, Python, Dart(Flutter), C, C++, SQL
- **Technologies:** React, NodeJS, Express, Electron, Spring Boot, Flutter, AWS, MongoDB, Firebase, Git, Github, Bootstrap, Material UI, Pygame
- **Languages:** Turkish: Native, English: Professional

## CERTIFICATES

---

- **Java Spring Boot - Udemy**
- **NodeJS - Express - Udemy**
- **ReactJS - Udemy**
- **Web Fundamentals - TryHackMe**
- **Presecurity - TryHackMe**
- **Jr Penetration Tester - TryHackMe**

## REFERENCES

---

- **Prof. Dr. Taner CEVIK**
- **Assoc. Prof. Dr. Nazife CEVIK**
- **Asst. Prof. Dr. Tugberk KOCATEKIN**
- **Asst. Prof. Dr. Unal KUCUK**