

## Deniz Yavuzgil

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## EDUCATION

- **Sabancı University** (2021-2026): Alumni, Computer Science and Engineering, GPA: 3.51
- **Bilfen İzmir Science High School** (2016-2020)

## EXPERIENCE

### Java Developer Intern | YAŞAR BİLGİ *Jun 2025 – Sep 2025*

- Collaborated in an Agile team of 7 interns to design and develop an office attendance system for 150+ employees, using Spring Boot, PostgreSQL, React, and Docker technologies.
- Engineered a hierarchical Role-Based Access Control (RBAC) system via Keycloak to manage permissions based on organizational roles, enabling granular data visibility from Team Leads to General Managers.
- Developed full-stack features following the Model View Controller (MVC) architecture to separate business logic from the user interface, ensuring a scalable codebase and seamless REST API integration.

### Research Intern | Sabancı University - Alumni Relationship Office

- Worked as the sole developer on a project involving the finding of 26k+ Sabancı graduates LinkedIn Accounts and the retrieval of their profile information for later analysis using tool like Power BI, for insights such as finding out which sectors the graduates evolved to, what ratio of our graduates found work abroad and the tracking of their job movements.
- Under the supervision of: Hüsni Yenigün - Vice Dean for Education  
Burak Kuru - Alumni Relations Senior Specialist

## PROJECTS

- **E-Commerce Website** (Fall 2025, As part of CS308 Course Project):  
Developed a mock E-Commerce website as the SCRUM Master of a team of 6 developers. On the site, users can view and buy products by adding them to their carts, proceeding with payment and having their shipment status tracked and being sent an invoice through mail. **HTML, CSS, Node.js, Express.js, MySQL**
- **Instagram Profile Classifier and Post Like Count Estimator** (Fall 2024, As part of CS412 Machine Learning course):  
Developed two machine learning models: a fine-tuned BERTurk model for categorizing Instagram accounts and a random forest model with engineered features for estimating post like counts. Training data consisted of 5,415 accounts, their annotated categories and 20 most recent posts. Achieved 1st place in classification accuracy and 2nd place for lowest regression error amongst 141 students taking the same course. **Python, Jupyter Notebook**
- **Sabancı University FENS Seminar Website** (Fall 2024-2025, As part of ENS491/ENS492 Graduation Project):  
Developed a website for Sabancı University seminars, allowing students to view upcoming events, add them to their calendars, and track their own attendance. Seminar admins can add/manage seminars, monitor student attendance, and generate attendance reports. **HTML, PHP, CSS, JS, MySQL**
- **File-Analyzer** (Fall 2025, As part of CS48008/SEC530 assignment):  
Developed an Electron-based desktop application that uses Python scripts to perform automated static analysis of any number of selected files for malware analysis. The program:
  - Identifies true file types regardless of extensions.
  - Detects file architecture, entropy, imported DLLs, embedded URLs, domains, and IP addresses.Analyzes executables, detecting packing status and identifying specific packer used. **HTML, CSS, JS, Python**
- **Binary Numbers Playground** (Fall 2023, As a personal project):  
Developed a very basic website that visualizes binary numbers and their different representations, allowing users to manipulate individual bits and see the decimal result change. It helped me and my friends grasp the concept better for the Logic and Digital System Design course. **HTML, CSS, JS,**

## SKILLS

- **Languages:** Turkish (Native), English (Proficient)
- **Programming:** C, C++, Java, Python, PHP, HTML, CSS, JavaScript, SQL, MongoDB, Excel, OOP, Googling

## ACTIVITIES

- **Board Member, Sabancı University Game Development Club (SUOG)**
  - Participated in Game Jams and developed games using Unity. **C#**

## INTERESTS

Science & Technology, AI, Computer Optimization, Self-Hosting, Tinkering