

# Ahmet Ege

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## EDUCATION

### Yeditepe University

Bachelor of Science in Computer Engineering

İstanbul, Türkiye

Expected Graduation, June 2027

- **Concentrations:** Software Engineering & Intelligent Systems
- **Scholarship:** Full Merit Scholarship based on YKS Ranking: **2158** / 2.5M+
- **Related Coursework:** Data Structures & Algorithms, Algorithm Analysis, Systems Programming (C/Assembly), Digital Systems Design (Verilog), Intro to CS & Algorithms (Java/C/Linux).

## EXPERIENCE

### Software Engineering Research Group ([SERG](#))

Undergraduate Research Assistant

İstanbul, Türkiye

May 2025 – Current

- Contributing to the **Smart Parking Management System**, a large-scale project involving a cross-functional team of 20+ members, including one professor and alumni.
- Contributing to the **AI Powered Driver Guidance System for Charging Management Process**. Collaborating on the initial architectural design and requirements engineering for a user-centric decision support system.

### [Game Actor](#)

Software Engineer Intern (Volunteer)

İstanbul, Türkiye

Sep 2024 – Oct 2024

- Developed responsive and modern user interfaces by leveraging **React** and **component-based architecture** to ensure modularity, high performance, and code reusability across web applications.

## PROJECTS

### [ParkWiser](#) (Smart Parking Management System)

Jr. Backend and AI developer

İstanbul, Türkiye

May 2025 – Feb 2026

- Developed backend services using **Java Spring Boot** following layered architecture patterns to ensure separation of concerns and maintainability. Integrated **Python-based AI** modules for automated system management.
- Collaborated on the full software development lifecycle. Contributed to the transition and management of a **Microservices Architecture**, focusing on system architecture and scalability within the AI and Backend teams.

### AURA (Autism Understanding & Response Assistant)

Full Stack Developer

İstanbul, Türkiye

Feb 2026 – current

- We are designing a microservices architecture using Java Spring Boot and Python to build a **RAG-based AI assistant** and **vector-search powered community platform**, providing **real-time crisis management** and personalized support for parents.

### AI-Powered Driver Guidance System (Architecture Design Project)

Jr. Architecture Designer

İstanbul, Türkiye

June 2025 – July 2025

- Designing a **hybrid software architecture** that integrates Layered, Microservices, and Event-Driven patterns to enhance system modularity and fault tolerance.
- Defining data strategies using **C4 modeling** for distinct system layers while facilitating asynchronous communication for real-time charging station and traffic data.

### Pang Arcade Game (School Project)

Java OOP Developer

İstanbul, Türkiye

May 2025 – June 2025

- Developed a local version of a classic Pang arcade game using **Java**, focusing on core **OOP principles** such as inheritance and polymorphism for dynamic entity management.
- Engineered game logic and event-handling for multi-level environments utilizing standard **Java graphical libraries**.

## ACTIVITIES AND LEADERSHIP

### Sponsorship Coordinator

Securing corporate sponsorships for projects on Project Team of IEEE Yeditepe Student branch.

İstanbul, Türkiye

Aug 2025 – current

## SKILLS

**Programming:** Java, C, Python, JavaScript, HTML/CSS, React, Next.js, Assembly, RAG, Fine-Tuning, Vector Search

**Tools:** IntelliJ, PyCharm, Eclipse, Git, Spring Boot, Docker, PostgreSQL, Adobe Photoshop, Davinci Resolve