

# Cem Sarp Takım

İstanbul, Türkiye

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## EDUCATION

### Sabancı University - Istanbul, Turkey – 50% Scholarship

2022 - Present Major: Computer Science and Engineering

2023 - Present Minor: Business Analytics

Current Year: Senior (4<sup>th</sup> year)

Cumulative GPA: 3.53/4.00

### Cakabey High School - İzmir, Turkey – Full Scholarship

2018 - 2022 98.74/100

## SKILLS

### Technical Skills

- MS Office ●●●●○
- SQL ●●●○●
- C++ ●●●○●

- Python ●●●○●
- Java ●●○●●
- Linux ●●●○●

### Languages

- English: C1
- German: A2
- Turkish: Native

## WORK EXPERIENCE

### **ASELSAN, Ankara-Turkey**

06/2025 – 07/2025

Image Processing Intern

- Worked within the Image Processing Team of the Electro-Optical Systems (MEOS) department, contributing to an AI-based automation pipeline for object detection in infrared imagery.
- Focused on evaluating and integrating state-of-the-art open-source object detection models (e.g., OWL-V2, Florence-2) into ASELSAN's in-house GUI software, designed for annotating and verifying IR surveillance footage.
- Conducted performance benchmarking and qualitative analysis of pre-trained vision models using custom datasets, measuring detection accuracy, class generalizability, and inference speed.
- Implemented prototype-level integrations of selected models into the software stack, enabling near real-time detection capabilities and easing the workload of manual data labeling.

### **BNT PRO, Istanbul-Turkey**

07/2024 – 08/2024

Network Systems Intern

- Assisted the Network and Security Team with day-to-day operations, including basic system configuration, troubleshooting, and documentation.
- Learned about cybersecurity fundamentals by supporting tasks like log monitoring, user access control, and simple vulnerability scans.
- Observed and learned from senior engineers during system audits and security assessments, gaining insights into best practices for enterprise infrastructure.

## PROJECTS

### **Mobile Messaging App**

Developed a mobile messaging app with full-stack implementation. Designed and built both frontend (React Native), backend (Java) and used MongoDB as the database.

- Integrated secure user authentication (JWT) and real-time messaging functionalities.
- Deployed and tested iOS platforms.
- Built RESTful APIs and ensured end-to-end data flow across frontend and backend.

### **Civil Involvement Project (CIP101)**

Engaged in mentoring primary school students from socio-economically disadvantaged areas near Sabancı University.

- Led activities promoting children's rights, communication skills, creativity, and self-confidence.
- Facilitated workshops and interactive sessions to enhance students' personal development.

### **Personal Portfolio Website**

Designed and developed a fully responsive personal website from scratch using HTML, CSS, and JavaScript.

- Showcases portfolio projects, contact form, and downloadable resume.
- Designed a custom UI layout, integrated social media links, and mobile-friendly navigation.
- Built and deployed on a custom domain: **[www.cemsarptakim.com](http://www.cemsarptakim.com)**

### **Disaster Relief Logistics Research (PURE Program)**

Conducted research to optimize disaster response management processes under Sabancı University's PURE initiative.

- Analyzed companies CSR communication during the 2023 Kahramanmaraş earthquake using Platform X data.
- Classified thousands of tweets from 60 companies to evaluate public engagement with different message types.
- Identified emotional storytelling and visuals as key drivers of trust and engagement in disaster-related CSR.

## **EXTRACURRICULAR ACTIVITIES**

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**Organizer at CAKUF (Cakabey National Forum)** – Contributed to event planning and coordination as part of the organizing team. Gained experience in logistics, communication, and team collaboration.

**FLL Best Presentation Award** – Participated in First Lego League as a team member, focusing on collaborative problem-solving and robotics.

**Licensed Basketball Player** – Played as a licensed athlete throughout high school. Regularly trained and competed with a high-performing team, building strong skills in discipline, teamwork, and leadership.

**Certificate of Achievement** – Ranked in the Top 10 as a group in Türkiye Zeka Vakfı (Turkish Intelligence Foundation) interscholastic competition in high school.