Cem Sarp Takım

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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 (4th year)
Cumulative GPA: 3.43/4.00

Cakabey High School - İzmir, Turkey – Full Scholarship

2018 - 2022   **98.74/100**

SKILLS

Techical 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.

IAS (Industrial Application Software), İzmir – Turkey

08/2025 – 09/2025   **ERP Consultancy Intern**

- Contributed to ERP implementation and customization processes within the consultancy department of caniasERP.
- Received training on PRJ (Project Management), SYS (System Management), and DEV (Development) modules, as well as on the proprietary TROIA development language.
- Supported the development of a company vehicle management application by creating database tables, classes, dialogs, and transactions, integrating both backend logic and frontend GUI elements
- Learned practical aspects of ERP consulting, system configuration, and client-oriented customization, bridging technical implementation with business needs.

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**

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

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.