

# Yusuf Sait Sakoğlu

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## EDUCATION

### Abdullah Gül UNIVERSITY

Bachelor of Engineering, Computer Engineering.

Kayseri, Turkey

2021 - Present

Relevant Coursework: Art of Computing, Exploring Computer Engineering, Object Oriented Programing, Data structures and algorithms, Mobile programming, Digital design, Mathematical modeling and algorithm thinking, Database management system, Discrete mathematic, Software engineering

## WORK EXPERIENCE

### Prospective Student Coordination Office, Abdullah Gül University

Part-time Working Student

Kayseri, Turkey

July 2024 - August 2024

- Promoted the university by connecting with prospective students through personalized communication.
- Kept detailed records of student interactions, noting their cities of origin and the sequence of communication for thorough analysis.

## PROJECT EXPERIENCE

### SHE++ - Certificated

Team Member

Kayseri, Turkey

November 2023 – May 2024

- During the SHE++ project, focusing on empowering female high school students by introducing them to engineering and technology through face-to-face workshops and mentorship programs.
- Organized and delivered educational sessions that combined technical skills in programming and engineering tools in addition to psychological support to increase their confidence and overcome gender stereotypes in STEM fields.

### Think Future, Take Action! Sustainable Development Goals for Youth II - Certificated

Participant

Kayseri, Turkey

October 2023

- Emphasized the importance of Sustainable Development Goals in addition to field visits - Supported by Ministry of Youth and Sports

### Researcher – TÜBİTAK 2209-A Undergraduate Project

GNSS and Image Processing with Fixed-Wing UAV Follow-Up

Kayseri, Turkey

April 2025 - Present

- Awarded funding under TUBITAK 2209-A Research Support Program.
- Developing a system to detect, track, and predict enemy UAVs by fusing GNSS and real-time image data.

### Software Team Lead – AGU Teknofest UAV Team

Teknofest Fighter UAV Competition – Tulpar Team

Kayseri, Turkey

Jan 2024 – Present

- Contributing to the development of an autonomous fixed-wing UAV for the Teknofest International UAV Competition.
- Supporting a small team of student developers in areas including computer vision, simulation, communication, and interface development.
- Helping coordinate tasks and timelines within the team and assisting in planning the integration of different software components.

### Technical Contributions:

- Worked on integrating YOLOv8 with GOTURN + DeepSORT to enable real-time object tracking from video inputs.
- Participated in UAV behaviour testing in **PX4 + Gazebo Classic** using ROS 2 for flight simulation.
- Assisted in setting up simple communication protocols for ground control interactions.
- Helped collect and evaluate tracking accuracy metrics using test videos and manually labeled ground truth data.

## PERSONAL PROJECTS

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### Cepteservis – Mobile Service Marketplace App

Kayseri, Turkey

Technologies: Java, Android Studio, Firebase (Auth & Realtime DB)

September 2023 - February 2024

- Developed a mobile application enabling users to find and request local repair and maintenance services.
- Integrated user authentication, real-time service requests, and a structured category-based listing system.
- Implemented a responsive UI and service tracking module to improve user experience.

### Worship Tracking System – Religious Habit Tracker App

Kayseri, Turkey

Technologies: Flutter, Dart, MySQL, Firebase Cloud Messaging

March 2025- Present

- Designed and developed a prayer tracking system tailored for individual users to monitor their worship habits.
- Features include real-time reminders, missed prayer logging, and a calendar-based historical view.
- Integrated notification system using FCM and developed a personalized feedback system to promote user engagement.

## VOLUNTEER EXPERIENCE

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### AGU Global Accessibility and Awareness Club (GAA)

Kayseri, Turkey

Inspection Team Coordinator

January 2024 – May 2024

- GAA's inspection team coordinator, whose goal is to modify how universal policies operate and conduct accessible activities in order to impact attitudes toward people, animals, and values, first at Abdullah Gül University, then in Kayseri, Turkey, then globally

### Abdullah Gül University Genç Kızılay Club

Kayseri, Turkey

Volunteer Student

October 2022 – June 2023

- worked as a volunteer stand attendant in a blood donation campaign.
- I volunteered to plant trees at the tree planting event. I fed stray animals as a volunteer.

## SKILLS

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### Technical Skills:

- Languages: Python, Java, C
- Tools/Frameworks: OpenCV, YOLOv8, DeepSORT, ROS, Gazebo, Git
- Platforms: Linux, Windows
- Others: Microsoft Office, Canva

### Soft Skills:

Teamwork, Communication, Time Management, Leadership, Emotional Intelligence

### Language:

- Turkish (Native)
- English (B2 – Intermediate Professional Proficiency)

## CERTIFICATES

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### Fundamental Python and Image Processing Course

May 2024

### United Latino Students Association

- Learned the Python programming

### Abdullah Gül University Youth Studies Application and Research Center

August 2024

### SHE++ Project Manager

- During the SHE++ project, focusing on empowering female high school students by introducing them to engineering and technology through face-to-face workshops and mentorship programs.
- Organized and delivered educational sessions that combined technical skills in programming and engineering tools in addition to psychological support to increase their confidence and overcome gender stereotypes in STEM fields.

#### **Canva Career Summit'24**

**March 2024**

Etkin Kampüs

- Workshops about professional CV designing, efficient presentations and English learning by AI tools

#### **19<sup>th</sup> and 20<sup>th</sup> Young Academy**

**December 2024**

#### **Bilkent University Operational Research Club**

- Came together with more than 1000 students from various universities and met with leading names in many fields from politics to business, art to sports.

#### **Abdullah Gül University**

- SDG Speaking Club Project

**November 2023**

- Think Future, Take Action! Sustainable Development Goals for Youth II

**October 2023**