



# BARİŞ CAN ASLAN

COMPUTER ENGINEERING STUDENT

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I have experience in developing and deploying full-stack applications across domains such as smart systems, robotics, and web technologies. Skilled in using frameworks like ASP.NET, Spring Boot, and Docker, with a strong focus on system integration, remote access, and UI design. Also experienced in collaborating on cross-disciplinary teams to deliver scalable and self-hosted solutions.

## EDUCATION

### KADIR HAS UNIVERSITY - Istanbul, Turkey

B.Sc. in Computer Engineering

Expected Graduation: 2026 | GPA: 3.00

### FIGEN SAKALLIOĞLU ANATOLIAN

HIGH SCHOOL - Sakarya, Turkey

Graduated: 2020

## TECHNICAL SKILLS

**Languages:** C#, C++, Java, Python, JavaScript, HTML, CSS, SQL

**Frameworks & Tools:** ASP.NET Core, Spring Boot, React, Docker, Qt (QML), REST APIs

**DevOps & OS:** Debian-based systems, Cloudflare Tunnels, GitHub

**Other:** MySQL, MSSQL, JSON, Linux Shell, Wireshark

**Soft Skills:** Fast learner, team-oriented, analytical thinker, diligent and adaptable

## CERTIFICATES

- HTML5, CSS Web Development (2021) - **BTK Akademi**
- Python (2022) - **Kaggle**

## INTERESTS

- AI and Robotics
- DevOps Automation
- IoT Tech.
- Machine Learning

## WORK EXPERIENCE

### HTT Dronos - Kadir Has University

Aviation and Technology Team of Kadir Has University

Interface Developer (Volunteer) - 2024 - Present

## INTERNSHIP EXPERIENCE

### İÇDAŞ Çelik Enerji Ulaştırma A.Ş.

IT Intern - Summer 2024

- Gained hands-on experience in enterprise networking, server management, and system automation
- Acquired ASP.NET technology and its usage areas

### BTC Bilişim Hizmetleri A.Ş.

Software Development Intern - Summer 2025 (Ongoing)

- Currently working on .NET Web API services and developing Angular-based web applications as part of the software development team.

Detailed project experience available on the next page.

## PROJECT EXPERIENCE

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### Unmanned Ground Vehicle (İKA) | Teknofest (Htt Dronos Team) - Qt (QML) + Pointcloud + OpenCV

Interface Developer / Qt Designer - (2024 - Present)

- Designing user interface for the UGV using the Qt framework (QML), including vehicle parameters and camera snapshots
- Developing a 3D environment view within the interface using PointCloud and ROS technologies
- Utilizing image processing techniques with OpenCV

### Restaurant Reservation System Project - Spring Boot + React + MySQL

Project Link: <https://github.com/bariscanaslan/CMPE356-Restaurant-Reservation-System>

- Implemented user authentication using JWT and role-based access
- Built a dashboard for restaurant owners to manage tables, reservations, and API keys
- Embedded reservation widgets into external websites using secure iframe + token mechanism

### Employee Tracking System Project - ASP.NET MVC + HTML, CSS, Bootstrap + MSSQL

Project Link: <https://github.com/bariscanaslan/Employee-Tracking-System-Project>

- Developed a web-based personnel management system with role-based access control
- Designed responsive front-end using Bootstrap for mobile-friendly UI
- Implemented CRUD operations for employee data, departments, and tasks

### Self-Hosted Home Server Project - Debian + Docker + Cloudflare

Private Infrastructure for **Hosting, Personal Cloud, and IoT Control**

- Built a Debian-based headless home server system utilizing Docker containers for modular service deployment
- Integrated CasaOS as the internal dashboard for managing applications and system monitoring
- Configured Cloudflare Tunnels to securely expose internal services (e.g., web apps, personal cloud, dashboards) to the internet without opening ports
- Used self-hosted tools for file storage, personal calendaring, and RSS feed management with a focus on data privacy
- Enabled remote monitoring and control of IoT devices via isolated networks, promoting both functionality and security