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ABOUT ME

I have a strong interest in developing intelligent mobile applications powered by AI, and I am passionate about leveraging technology to create accessible, real-world solutions. My academic background and practical experience have equipped me with the skills needed to contribute to innovative research and development in this field.

WORK EXPERIENCE

Country: Türkiye

[26/03/2025 – 10/11/2025]

TUBITAK 1001 Project Scholar – Mobile Application Developer

IoT/AI-based Earthquake Victim Location Detection and Coordination Platform

- Designing and developing cross-platform mobile applications using Flutter as part of a research project focused on real-time coordination and geolocation.
- Implementing AI and IoT integrations to support smart data processing and device communication.
- Utilized mobile device sensors (GPS, accelerometer, gyroscope, compass, etc.) and integrated Google Maps to enhance real-time location tracking and visualization.
- Developed and managed background services for continuous operation.
- Collaborating with multidisciplinary teams to ensure seamless interaction between mobile applications and backend systems.

City: Kocaeli | Country: Türkiye

[20/01/2025 – 20/10/2025]

Visight Technology - Software Engineer Intern

Gained hands-on experience in backend development and Flutter-based mobile application development for AI- and image processing-powered biometric identity verification systems.

EDUCATION AND TRAINING

[10/09/2025 – Current]

Master of Software Engineering

Kocaeli University

City: Kocaeli | Country: Türkiye

[11/10/2021 – 24/06/2025]

Bachelor of Computer Engineering

Bartın University

City: Bartın | Country: Türkiye | Final grade: 3.42/4.00 | Thesis: AI-supported financial system for the visually impaired people

[01/11/2024 – 01/09/2025]

AI Applications Development Department (1-year scholarship holder)

AI and Technology Academy <https://yapayzekaveteknolojiakademisi.com/>

SKILLS

Flutter/Dart | State Management: Provider (advanced), BLoC (intermediate) | Local Notifications, FCM | Python (intermediate) | SQL (advanced) | DATA STRUCTURES AND ALGORITHMS WITH JAVA | C# ve .NET MAUI (basic) | Python FastAPI (intermediate) | Python Flask (intermediate) | Django (intermediate) | SQLite (basic) | Git, Github, & Gitlab | Canva, Figma | RestfulApi | API Manual Testing and Automation Testing with Postman and Newman | Architecture: Clean Architecture, MVC, MVVM | Databases: MySQL (advanced), PostgreSQL (advanced), SQLite (advanced), and Firebase (intermediate) | SDK Development | Software Development Lifecycle (SDLC)

PROJECTS

[26/03/2025 – Current]

KURTAR— IoT & AI-Based Disaster Victim Detection and Coordination Platform

- I worked on this project as a **Mobile Application Developer** using **Flutter**.
- The **KURTAR Project** aims to revolutionize **disaster response** by integrating **IoT**, **mobile devices**, and **AI-driven decision systems**. During earthquakes or similar emergencies, the platform collects **real-time data** from mobile phones, wearables, and distributed IoT sensors. This data is processed through **machine learning** and **deep learning models**, enabling **autonomous decision-making** to support rescue teams in coordination and victim detection.
- In this project, I implemented **Provider** for state management, applied **Clean Architecture**, and integrated **AI models** into the app. I also worked with **device sensors**, **Bluetooth**, **Dio**, **SQLite**, **Secure Storage**, **push notifications**, and **localization** for multi-language support. Additionally, I integrated **background and foreground services** to ensure the app runs efficiently in all states, contributed to **UI/UX design**, **role-based access**, **Google Maps**, and **group messaging**, and implemented **sensor data export functionality** to generate **CSV** and **Excel** files for advanced data analysis.

Link: <https://kurtarplatform.github.io/>

[01/03/2025 – 30/05/2025]

DigiVis — Digital Onboarding & KYC

- During my internship, I developed this application using **Flutter**, **PostgreSQL**, and **FastAPI**.
- **DigiVis** is a next-generation digital onboarding solution that enables organizations to perform **secure, fast, and fully compliant remote customer acquisition**. Built with a **mobile-first architecture**, DigiVis seamlessly supports both **iOS** and **Android** platforms through a **cloud-based infrastructure** that ensures scalability and high availability.
- Through this project, I learned how to work with various **SDKs**, implemented the **MVVM architecture** and **BLoC** for state management, integrated the **camera** for identity verification, used **HTTP** for efficient API communication, and contributed to **UI/UX design** to deliver a smooth and user-friendly experience. The app also includes **localization support** for multiple languages to enhance accessibility for diverse users.

[01/02/2024 – 20/01/2025]

AI-supported financial system for the visually impaired people (Graduation Project)

- As a two-person team, we developed a **currency recognition and financial management system** for **visually impaired users** using **YOLOv5**. The system was built with **Flutter**, **Firebase**, and **Provider** for efficient state management.

[01/05/2025 – 01/06/2025]

IbanValut

- Developed a **Flutter-based mobile application** for securely storing **IBAN information**, using **locally encrypted storage** to ensure data privacy. Through this project, I learned and applied **Provider** for state management and **secure local storage** techniques. The app also includes **QR code generation and scanning** features, along with **localization support** for multiple languages to enhance accessibility and user experience.

[05/09/2024 – 01/11/2024]

Wallet App

- Developed an application using **Flutter** and **Firebase**, where I learned and applied **Provider** for efficient state management. The app includes features such as card management,

transaction tracking, payment processing, real-time notifications, and income monitoring, along with other essential financial management functionalities.

[06/12/2023 – 24/01/2024] **Instant Messaging App**

- While developing this application using **Flutter** and **Firebase**, I led the development team and implemented several key features, including real-time messaging, group chat, user management, and data synchronization across devices.

[01/10/2023 – 03/01/2024] **Blog Post**

- Through this project, I learned how to apply **Object-Oriented Programming (OOP)** principles using **Flask** for web development, **SQLAlchemy** for database management, and **PostgreSQL** as the database system.

HONOURS AND AWARDS

[04/07/2025]

Certificate of Honor Awarding institution: Bartin University

I received a Certificate of Honor for graduating with honors in my bachelor's degree.

RECOMMENDATIONS

Name: Bayram AKGÜL Asst. Prof.

Academic supervisor for my undergraduate graduation project

Phone number: (+90) 3785011000 | **Email:** bayramakgul@bartin.edu.tr

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

Turkish - C1

LISTENING C2 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

English - B1/B2

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

COURSES AND CERTIFICATES

[01/07/2024 – 10/09/2024]

Mobile Application with Google Flutter - BTK

[25/07/2023 – 28/09/2023]

Advanced python programming from scratch - BTK

[01/01/2025 – 09/06/2025]

Google Project Management - Coursera

[01/11/2023 – 01/04/2024]

Applied Data Science Specialization - Coursera