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Education

Samsun University | B.Sc. in Software Engineering

Skills

Programming: JavaScript, Python, TypeScript

Frameworks & Libraries: React.js, React Native, Node.js, TensorFlow, PyTorch, OpenCV, PyQt5

Databases: MongoDB, Firebase

Tools & Platforms: Git, CI/CD, Expo

Other: Robotics, IoT, Agile Development

Experience

Team Lead & Python Developer | Samsun AI Team, Samsun University

November 2020 – June 2022

A student-led AI and robotics club aiming to provide Python and AI education within the university and to compete in national and international competitions beyond Teknofest and TÜBİTAK.

- Developed communication systems using Python for electronic control
- Implemented object detection using Python and YOLO algorithms

Competitions & Achievements

- Teknofest Traffic Signalization Competition
- Teknofest Model Satellite Competition
- ABB Hackathon Finalist, 2021

Python Developer | İkarus ARGE, Samsun University

October 2022 – August 2024

An aerospace student team founded in 2017 to develop autonomous aerial vehicles and participate in Teknofest and TÜBİTAK competitions.

- Established communication with Pixhawk PX4 using Python
- Developed a PyQt5-based user interface for telemetry and control

Competitions & Achievements

- Teknofest Combat UAV Competition Finalist, 2023
- 1st Place in TÜBİTAK 2242 – Defense, Space & Aerospace Category

Frontend Developer | Kazoo Radio

November 2022 – August 2023

- Designed and implemented mobile user interfaces using React Native
- Developed and maintained frontend components for CRUD operations

Technologies Used

- React Native
- React.js
- Node.js

Fighter UAV Team Captain | İkarus ARGE, Samsun University

August 2023 – August 2024

- Leading a multidisciplinary team in the design, development, and programming of autonomous combat UAVs for national competitions

Instructor – IoT & Embedded Programming | Deneyap Türkiye

November 2023 – February 2024

- Delivered hands-on training sessions on IoT systems and embedded programming
- Mentored students in electronics projects and Arduino-based applications

Co-Founder & Mobile Developer | Melodine (Startup Project)

September 2023 – Present

A mobile application designed to improve customer experience in cafes and restaurants by integrating personalized music, direct ordering, and seamless payments.

- Co-founded the initiative and led the development of the mobile interface using React Native and Expo
- Implemented features including AR-based order previews, live playlist control, and in-app trivia games
- Integrated backend services with Node.js, Firebase, and MongoDB
- Contributed to UX design, prototyping, and startup strategy

Technologies Used

- Expo
- React Native
- JavaScript
- Firebase
- MongoDB
- Node.js

Indie App Creator | DreamLab

March 2025 – Present

A self-developed mobile application that functions as a modern dream journal and personal development assistant, aiming to help users explore their subconscious mind and track mental well-being.

- Designed and built the entire mobile application using React Native, Expo, Firebase, and TypeScript
- Implemented a structured dream logging system with date-based navigation and dream history
- Developed features including automated dream analysis, multilingual support (Turkish/English)
- Focused on intuitive UI/UX design and cross-platform compatibility

Technologies Used

- Expo
- React Native
- TypeScript
- Firebase

Internships and Vocational Experience

Web Development Intern | Bordo.io

June 2024 – August 2024

Gained practical experience in web development with a focus on modern JavaScript frameworks.

Key Responsibilities

- Assisted in developing responsive web applications using JavaScript
- Contributed to UI design and front-end feature implementation
- Participated in code reviews and collaborative sprint planning
- Learned agile development workflows and version control practices
- Documented technical processes and frontend component behaviors

Technologies Used

- JavaScript
- Web Development
- Full-Stack Development

AI/ML Developer Intern | Adapha Artificial Intelligence R&D and Software

August 2024 – September 2024

Focused on digital image processing and artificial intelligence with applied data analysis in real-world R&D projects.

Key Responsibilities

- Developed image processing algorithms using Python
- Conducted data visualization and exploratory data analysis for ML tasks
- Contributed to AI-based software development
- Documented research outcomes and algorithmic approaches
- Collaborated on computer vision initiatives with the R&D team

Technologies Used

- Python
- Computer Vision
- Data Analysis
- Digital Image Processing

Mobile Developer Intern | LetsParky

September 2024 – February 2025

Participated in a full-time professional training program with hands-on experience in mobile and web development.

Key Responsibilities

- Developed and maintained mobile applications using React Native
- Contributed to the development of web interfaces using React.js
- Collaborated with UI/UX and backend teams for feature integration
- Applied software engineering best practices in a production setting
- Participated in end-to-end software development lifecycle

Technologies Used

- React Native
- React.js
- JavaScript
- Mobile Development, CI/CD
- Software Engineering