ALPHA ABDOULAYE BAH

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EDUCATION

Bachelor of Information Systems Engineering: Engineering, 09/2024
Sakarya University - Sakarya

Bachelor of Computer Science (Erasmus): Computer Science, 06/2024
University of Rzeszów - Rzeszów

Master of Science: Data Science And Artificial Intelligence, Expected in 01/2026
Sakarya University - Sakarya

SKILLS

- Software development
- HTML, CSS, Tailwindcss
- C#, Asp.net core mvc, .Net Web API
- PowerBI
- Deep Learning
- Microservices
- Nodejs
- React Native
- JavaScript, TypeScript, React, Redux, Nextjs
- SQLite, SQL Server, Postgres
- Machine learning
- Python, Numpy, Pandas, scikit-learn, OpenCV, Keras, TensorFlow, PyTorch
- Docker, Git/GitHub

PROFESSIONAL EXPERIENCE

Intern, 08/2024 - 11/2024
Mindioo – Delaware, US (Remote)

- Collaborated with designers and senior engineers to build custom software solutions for users.
- Built and improved responsive web apps with **Next.js** and **Tailwind CSS**, focusing on user experience and performance.
- Used **Supabase** as a backend service to manage authentication, real-time databases, and APIs for scalable applications.

Intern, 06/2024 - 08/2024

Aris888 – Sakarya

- Built an AI-powered app using **.NET and Python** to improve functionality and performance.
- Created a web app with **React, Redux, and Tailwind CSS** to deliver a smoother user experience and better state management.

Software Engineer (Part-time), 06/2022 - 09/2023

WORK3 TEKNOLOJİ A.Ş – Sakarya

- Developed an AI-powered application, from design to implementation, improving customer experience.
- Built and integrated features using **Node.js and React**
- Collaborated with a cross-functional team to deliver scalable and reliable solutions.
- Contributed to both backend services and frontend interfaces to ensure end-to-end functionality.

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LANGUAGES

French: C2

Proficient

English:

Full Professional

Turkish: B2

Upper intermediate

PERSONAL PROJECTS

FinalPro is a web app that scrapes Amazon product data, including reviews, and uses the OpenAI API to provide quick insights for informed purchasing. Users can share results with their subscribers.

- **Backend**: .NET Web API, **SignalR** for real-time updates
- **Frontend**: **TypeScript**, **React**, **Tailwind CSS**

Sabis is a clone of my university's system management, replicating core functionalities for managing courses, grades, and student records.

- **Frontend**: **Next.js**, **Tailwind CSS**
- **Backend**: **Convex** as Backend-as-a-Service (BaaS)

Booking is a room booking app that allows users to reserve their desired rooms seamlessly.

- **Frontend**: **Next.js**, **Tailwind CSS**
- **Backend**: **Supabase** as Backend-as-a-Service (BaaS)

Fraud Detection

A machine learning project focused on identifying fraudulent transactions using ensemble and tree-based models. Implemented and evaluated classifiers including Random Forest, Decision Tree, and XGBoost. Performance was assessed with F1-score, confusion matrices, classification reports, and learning curves.

- **Tech Stack:** scikit-learn, XGBoost, Python
- **Key Focus:** Model comparison, performance evaluation, fraud detection pipeline

Fraud Detection