



Fatih Semirgin

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ABOUT ME

I am an individual who embraces growth, innovation, and continuous development. With a strong sense of responsibility, discipline, and motivation, I am committed to working hard to achieve my goals. My ambition is to become a leading figure in the technology industry, contributing meaningfully to its advancement and making a lasting impact.

WORK EXPERIENCE

Long Term Intern

IBTECH International Information and Communication Technologies [13/11/2023 – Current]

Worked on in-house projects, contributing to both front-end and back-end development. Focused on creating and enhancing user interfaces, improving system functionality, and delivering new features across various company products. Actively contributed to developing and optimizing solutions to address project requirements and advance business objectives.

Computer Engineering Intern

Semafor Technology Software Consultancy Limited Company [03/07/2023 – 08/09/2023]

City: Izmir | Country: Türkiye

Developed a web-based patient tracking application using .NET 6, PostgreSQL, and APIs, focusing on creating robust, user-friendly interfaces and efficient back-end systems. Additionally, performed data analysis and preprocessing on a dataset, created a machine learning model, and integrated it into the web application.

Computer Engineering Intern

Dokuz Eylul University [07/02/2023 – 01/03/2023]

City: Izmir | Country: Türkiye

Internship on Computer Hardware

EDUCATION AND TRAINING

Computer Engineering

Dokuz Eylul University [16/09/2019 – 11/06/2024]

City: Izmir | Country: Türkiye | Website: <https://ceng.deu.edu.tr/en/>

LANGUAGE SKILLS

Mother tongue(s): Turkish

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

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

DIGITAL SKILLS

C# / Java / Python / ASP.NET Core / JavaScript / SQL / Git / ASP.NET Web APIs / Github / Machine Learning / Data Visualisation / Data Analysis / Data Mining / Html / Css / Bootstrap

PROJECTS

[07/2023 – Current]

Earthquake Early Warning System

Currently developing the entire software component for the Earthquake Early Warning System as my graduation project. This system will provide earthquake alerts with a 5-30 second advance notice. It is a multidisciplinary BAP project supported by Dokuz Eylül University. It was sent as a paper to the 76th Geology Congress of Turkey and presented.

Car Price Prediction with ML

The project involves using machine learning models for predicting car prices in the Turkish automotive sector. A comprehensive dataset collected through web scraping from a Turkish automotive market was used. The paper detailing this project is being prepared for publication in relevant academic journals, in collaboration with my advisor.

Music Genre Classification

A project that predicts the genre of any music track using audio feature extraction with Librosa. The prediction is made through a neural network architecture designed to analyze and classify music genres based on extracted audio features.

Airline Passenger Satisfaction Prediction with ML

A project developed with the R programming language to predict the satisfaction levels of airline customers.

Cinema Control System

A Java-based program to control cinema, providing a system that maintains customer details, cinema hall information, movie schedules, trailers, purchase records, and transaction details.

Hospital Patient Tracking Application

A web application for patient tracking using .NET 6, PostgreSQL, and APIs to manage patient information and provide user-friendly interfaces and optimized back-end systems.

PUBLICATIONS

[2024]

Earthquake Early Warning System (EEW) for Izmir: Sensor and Software Development Studies

76th Geological Congress of Turkey with International Participation

Link: <https://drive.google.com/file/d/13QhriW17d1Aw8G5CA6EKIT56RakjvuOT/view?usp=sharing>

ACHIEVEMENTS

TUBITAK 2209-A Research Project Support Programme for Undergraduate Students

Our graduation project "Earthquake Early Warning System" has been entitled to receive support from TUBITAK.

GBYF 2024 Project Exhibition and Competition

Our graduation project "Earthquake Early Warning System" has received the second prize in the "Academic and Other Information Applications" category and the special prize in the "Disaster Resilience" category.

REFERENCES

Alpaslan Emin Öztürk

BI DW Team Leader / Consulting Data Designer at IBTech

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