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About me:

I'm a Mathematical Engineering graduate from Yıldız Technical University who is a motivated team player and eager to learn and contribute to **Data Science**, **Artificial Intelligence**, and **Web Development**. Currently, I am actively seeking work experience to further develop my skills in the field of **Data**. Additionally, I am working on personal projects and completing courses related to my field.

Work Experience:

Digital Brain Technologies | Data Scientist Trainee September 2024 – Present
Digital Brain is a newly founded startup in the Data and Cloud sector, I receive my training on mostly **data science** and **machine learning**. I'm mastering **Databricks** and **Confluent** ecosystem and creating a project.

TSP Technology | DWH/BI Developer Intern April 2024 – August 2024
I worked as an Outsource to Garanti BBVA. The technology I used mostly was the **Oracle Ecosystem**, such as **Oracle SQL Developer**, **ODIEE** and Garanti's own software. I generally utilized **SQL** to complete my tasks.

Education:

Yıldız Technical University | Mathematical Engineering Bachelor's | 2020-2024
GPA: 3.02/4.00
I wrote both my thesis and application project on **machine learning** algorithms, **regression** and **classification** respectively.

Università degli Studi di Bari Aldo Moro | Matematica Erasmus | 2022-2023
I did my 3rd year of University with **Erasmus+ Student Exchange in Italy**, Bari for 2 semesters. I was able to see many different cultures and experience them together. I took courses from both the **Mathematics** Department and the **Computer Science** Department.

Skillset:

Python	HTML5, CSS3, Tailwind CSS
Oracle SQL, T-SQL, SQLite	JavaScript, TypeScript
Pandas, scikit-learn, NumPy	React, React Redux
C	Next.js, Node.js

Projects:

AI-Enhanced Film Recommendation Site July 2024
I created a movie recommendation site using AI both as an algorithm and as a chatbot. The site was built with **ReactJS** and **TailwindCSS**, and it utilizes a model through API calls from the Hugging Face platform, where the models are deployed with Gradio Apps. The project employs **Cosine Similarity** and an **LLM**. You can visit the site at: <https://fatihmatik.github.io/ai-film-site/>

Prediction of Heart Disease with Python and Supervised Method of Machine Learning

June 2024

This was my Bachelor's graduation thesis. I took a dataset from Kaggle and utilized five different machine learning algorithms to create classification models. I used **Python, Pandas, scikit-learn, NumPy, Seaborn** and **Matplotlib**. The models' performance was ~80%. See the project: <https://heart-attack-prediction-rf.vercel.app/>

Vehicle Price Analysis and Forecast in Machine Learning

December 2023

This was my application course in my Bachelor's. I took a dataset from Kaggle and utilized eight different machine learning algorithms to create regression models. I used **Python, Pandas, scikit-learn, NumPy, Seaborn** and **Matplotlib**. The models' performance was ~95%

Akbank Machine Learning Bootcamp

October 2023

Hosted by GlobalAIHub, using a housing dataset from Kaggle, I created a price prediction model. I used **Python, Pandas, Numpy, scikit-learn** and **Matplotlib**.

ituacm algoComp'22 Qualification

January 2022

Competitive programming contest. I used **Python, C** and **Numpy** for solving the algorithms.

Setur Smarttravel Hackathon

December 2021

We developed a caravan rental site as a team. I used the **WAMP** tech-stack and deployed the site on **Azure Cloud Platform**.

Certifications:

IBM | Data Science Specialization

I completed the IBM Data Science Professional Certificate, upon which I could apply fundamentals of data science using **Python** with **Pandas, Numpy**, and **Matplotlib** for data manipulation and visualization. I have also tried to work with **Jupyter Notebooks, GitHub**, and **SQL** in data management. Finally, I also built machine learning models using **scikit-learn** and covered advanced topics on **SciPy** optimization, **Beautiful Soup** web scraping, and **Plotly** for visualizations. For the capstone project, this course focused on real-world data analysis with model evaluation.

Coursera | Data Analysis with Python

In this course, I was taught data analysis in **Python**. For handling the datasets, **pandas** and **NumPy** were used. For visualization, **Matplotlib** or **Seaborn**, **scikit-learn** were used for the regression models, and **SciPy** was employed for the optimization techniques. The final project was to predict house prices given some real estate data.

Coursera | Machine Learning with Python

This was a sub-course of Data Science Specialization; I learnt the basics of Machine Learning and methods of Classification. We used **Python, Pandas, Matplotlib** and **scikit-learn**.

Membership, Events:

YTU Blockchain - Member | 2021-2022 : I developed myself in the blockchain area and learnt smart contract programming with Solidity.

Erasmus+ "Youth Exchange" Project - "Equality in Progress" | November 2022 : When I was in Erasmus in Italy I did a Youth Exchange project, where we went to Alezio, South Italy, It was a multi-cultural and very pleasant experience.

Languages:

Turkish	Native Language
English	C1, Fluent
Italian	I can hold daily conversations.