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

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:

Projects:

Python Oracle SQL, T-SQL, SQLite Pandas, scikit-learn, NumPy С

AI-Enhanced Film Recommendation Site 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/

HTML5, CSS3, Tailwind CSS JavaScript, TypeScript **React, React Redux** Next.js, Node.js

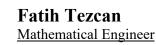
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Erasmus | 2022-2023





About me:

July 2024

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

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: <u>https://heart-attack-prediction-rf.vercel.app/</u>

Vehicle Price Analysis and Forecast in Machine Learning

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

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

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

Setur Smarttravel Hackathon

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 gone 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.

October 2023

January 2022

December 2021

June 2024

December 2023