Yilmaz Selale

Full Stack Developer

Personal details

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Profile

I am a software developer specializing in software development and mathematics, with a proven ability to produce effective solutions to complex problems through analytical thinking. I possess deep knowledge of various programming languages and develop innovative projects using modern technologies. I am dedicated to continuous improvement and adept at adapting to new technologies.

Education

Sep 2023 - Aug 2024

Software Expertise Training
Smart Pro Software Accreditation, İstanbul
My comprehensive knowledge in software development, application design, and system architecture, along with my MCSD certification, demonstrates my competence in developing innovative solutions in compliance with Microsoft standards.

Sep 2023 - Present

Computer Programming
Anadolu University, Eskişehir
My deep knowledge in software development, databases, algorithms, and web technologies, combined with my commitment to continuous learning, allows me to advance my skills through innovative projects.

Sep 2021 - Present

Maths
Bilecik Şeyh Edebali University, Bilecik
My mathematics education strengthened my analytical thinking and problem-solving abilities. Working with numerical data allowed me to translate my theoretical knowledge into practice while maintaining a consistently solution-oriented mindset.

Skills

Programming Languages: Java, Python, C#, and JavaScript.

Web Technologies: Angular, React, Django, Node.js, ASP.NET, HTML, and CSS.

Database Management: Oracle SQL, MySQL, PostgreSQL, and MongoDB.

Software Development Tools: Git, Docker, Visual Studio Code, and Jupyter Notebook.

Software Architecture and System Design: OOP, MVC, Microservices, and Linux Bash Script.

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Languages

English

Turkish

My projects

- **Movie Discovery Project**

I developed a user-friendly and scalable platform for discovering movies and TV shows. Using React.js, I created a dynamic interface, while a C#-based backend ensured a fast and reliable infrastructure. By adopting a modular architecture and integrating CI/CD pipelines, I accelerated the development process to provide a seamless user experience. The project stands out for its implementation of modern software development principles, containerized deployment, and flexible integration capabilities..

- **Chat Application**

This project, built with modern MERN Stack technologies (MongoDB, Express.js, React, Node.js), offers a fast, secure, and elegant solution for real-time communication. With WebSocket-supported infrastructure and a mobile-responsive design, users experience a seamless and smooth chat interaction. Its scalable architecture makes it a dynamic platform adaptable to projects of any size.

- **Fake News Detection**

I developed a robust system that classifies news articles as 'Real' or 'Fake' using machine learning and natural language processing techniques. The model, built with Logistic Regression and TF-IDF vectorization, was deployed via a Flask-based RESTful API. The project also includes data visualizations created with Matplotlib and Seaborn. This project highlights my skills in data analysis, model development, and API integration..

- **Dollar Exchange Rate Prediction with Machine Learning**

I created a Python-based machine learning model to predict the dollar exchange rate for financial data analytics. The project leveraged data processing (Pandas, NumPy), visualization (Matplotlib, Seaborn), and modeling (Scikit-learn, Keras) techniques. By analyzing data trends, I optimized the model's performance and improved prediction accuracy.

- **Diabetes Prediction Project**

I developed a logistic regression model to predict diabetes risk based on biometric data. This project employed advanced tools such as Pandas, NumPy, Scikit-learn, and Matplotlib for data processing, model training, and performance evaluation. It showcases my expertise in health data analysis and the application of machine learning models, with a strong focus on data science and AI-driven solutions.

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