

Sait Han Uzun

Software Developer & AI Enthusiast

Profile

Software developer with a strong foundation in Computer Science and Artificial Intelligence. I possess specialized expertise in **.NET** and Microsoft technologies, including Blazor WebAssembly and backend development. I have expanded my technical repertoire to include Data Science and AI, utilizing **Python, MATLAB, and Deep Learning**. I am experienced in building RESTful Web APIs, optimizing PostgreSQL databases, and applying SOLID principles and design patterns (CQRS, Onion Architecture) to create scalable software. I am actively creating projects that bridge modern software engineering with intelligent algorithms.

Technical Skills

Languages	C#, Python, MATLAB, SQL
Frameworks & Libraries	.NET Core, Blazor WebAssembly, Entity Framework, Xamarin, Deep Learning libraries
Concepts	OOP, LINQ, RESTful Web APIs, SOLID Principles
Tools & DevOps	GIT/GitHub, PostgreSQL, CI/CD Workflows, DigitalOcean

Education

Year–Year	BSc (Hons) Computer Science, Artificial Intelligence , <i>De Montfort University</i> , Leicester, UK
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Projects

Artificial Intelligence & Data Science Projects

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| Deep Learning / Python | Chess-AI , <i>GitHub: saithanuzun/Chess-AI</i> <ul style="list-style-type: none">○ This project is a Python chess engine powered by Deep Learning. It uses a convolutional neural network (CNN) trained on 20,000 human games and approximately 40,000 chess positions to predict the best move in any given position.○ The engine receives input as a FEN string, converted into a 13×8×8 PyTorch tensor, and classifies over the full 64×63 UCI-legal move space to produce its predictions.○ The model is treated as a classification problem, utilizing cross-entropy loss and the Adam optimizer for training. Training ran for roughly 12 hours and produced strong accuracy. |
| Machine Learning / Python | Diabetes-Prediction-AI , <i>GitHub: saithanuzun/Diabetes-Prediction-AI</i> <ul style="list-style-type: none">○ Built a machine learning model designed to predict the likelihood of diabetes in patients based on health metrics.○ Utilized Python and Deep Learning techniques to analyze datasets and train the model for high accuracy.○ Focused on data preprocessing and feature selection to improve prediction reliability. |

Software & Mobile Development Projects

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.NET Core / **Twitter-Clone**, *GitHub: saithanuzun/Twitter-Clone*

- Blazor ○ Built a full Twitter clone using **CQRS and Onion Architecture**. Features include following users, tweeting, liking, and replying.
- Tech Stack: Backend is ASP.NET Core Web API; Frontend uses Blazor WebAssembly. Designed the full database schema from scratch.

.NET Full **Reddit-Clone**, *GitHub: saithanuzun/Reddit-Clone*

- Stack ○ Developed a social news aggregation and discussion website where users can share topics, post links/text, and engage in conversations.
- Implemented core social features including a commenting system and voting logic on content.
- Built to deepen understanding of advanced .NET concepts and architectural patterns.

.NET / **MVM Cleaning**, *www.mvmcleaning.com*

- CI/CD ○ A real-world web application for a cleaning service featuring complete **CI/CD workflows**, deployed on a DigitalOcean droplet.
- Allows users to get online quotes, check availability, complete bookings, and receive email receipts.
- Integration: Features Stripe integration for payments and is optimized for SEO.

Xamarin **Vehicle Plate Check**, *GitHub: saithanuzun/VehiclePlateCheck*

- A mobile app developed using the **Xamarin** framework that allows users to check any UK vehicle by entering the registration number.