

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 .NET Core, Blazor WebAssembly, Entity Framework, Xamarin, Deep Learning & Libraries 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**, *De Montfort University*, Leicester, UK

Projects

Artificial Intelligence & Data Science Projects

- Deep Learning / Python **Chess-AI**, *GitHub: saithanuzun/Chess-AI*
- 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 $13 \times 8 \times 8$ 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**, *GitHub: saithanuzun/Diabetes-Prediction-AI*
- 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

Leicester, United Kingdom

📞 07862265412

✉️ saithan.uzun@gmail.com

•  in saithanuzun

👤 saithanuzun

1/2

.NET Core / **Twitter-Clone**, GitHub: [saithanuzun/Twitter-Clone](https://github.com/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](https://github.com/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](https://github.com/saithanuzun/VehiclePlateCheck)

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