SAIT HAN UZUN

AI & SOFTWARE DEVELOPER

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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 & Libs	.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

PROJECTS

Artificial Intelligence & Data Science Projects

Chess-AI (Deep Learning / Python) 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 13×8×8 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.

Diabetes-Prediction-AI (Machine Learning / Python) 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

Twitter-Clone (.NET Core / Blazor) GitHub: saithanuzun/Twitter-Clone

- 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.

Reddit-Clone (.NET Full Stack) GitHub: saithanuzun/Reddit-Clone

- 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.

MVM Cleaning (.NET / CI/CD) www.mvmcleaning.com

- 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.

Vehicle Plate Check (Xamarin) GitHub: saithanuzun/VehiclePlateCheck

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

EDUCATION

De Montfort University, Leicester, UK 2024 - 2027

BSc (Hons) Computer Science, Artificial Intelligence Overall: ~85%