MUHAMMAD TOUFEEQ PARKER

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SUM M ARY

SoftwareEngineering student with hands-on experience building full-stack applications and games. Skilled in C#, JavaScript/TypeScript, and Python, with a strong foundation in databases and frameworks like .NET, Next.js, and Blazor. Passionate about solving complex problems and contributing to scalable, real-world software solutions.

PROJECT

Multi-Tenant E-commerce Platform (Next.js 15, TailwindCSS v4, ShadcnUI, Payload CMS, Stripe)

· Building a marketplace with vendor subdomains and Stripe Connect integration for payments and automated fees.
· Implemented role-based access control (admin, merchant, buyer).
· Designed dashboards, product ratings, reviews, and search/filtering system.

Stock Price Prediction System (Python, Random Forest, XGBoost, Jupyter, pandas, Matplotlib)

· Collaborated in a team of 4 to Develop machine learning models (Random Forest and XGBoost) to predict stock price movements from historical data.
· Cleaned and preprocessed datasets to improve model accuracy and reliability.
· Compared model performance using metrics such as accuracy and error rates.
· Built interactive visualizations and a simple dashboard to explore predictions and trends.
· Deployed the project using render :https://mlg382-assignenment2-stock-prediction.onrender.com

2D Platformer Game (Python, Pygame)

· Developed a 2D side-scrolling platformer with animated sprites, collision detection, and custom obstacles.
· Applied OOP principles to manage game entities and levels.
· Published playable demo on GitHub.

EDUCATION

BACHELOROFSCIENCE SOFTWARE ENGINEERING

BELGIUM CAMPUS UNIVERSITY·CAPE TOWN, SOUTH AFRICA·Expected in 2026
· Relevant Modules: Database Development (MySQL, PostgreSQL , MongoDB), Machine Learning (Python), Web Programming , Programming(C#, JavaScript , Java)

TECHNICAL SKILLS

Languages:C#,JavaScript, TypeScript, Python, Java, Anaconda

Frameworks: .NET, Blazor WebAssembly, Next.js, TailwindCSS

Databases: MongoDB, PostgreSQL, MySQL

Tools : Git, GitHub, Visual Studio, Visual Studio Code, Render, Intelli J

DATABASES

MongoDB

Postgres

MySQL

FRAMEWORKS AND LIBRARIES

.NET

Blazor WebAssembly

Next.js

TailwindCSS

GITHUB LINKS

Personal Github: https://github.com/ToufeeqParker2004

Student Projects: https://github.com/ToufeeqParker786