

Sina Ghanbari Saheli

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SUMMARY

I am a recent **Integrated Master's** graduate in **Computer Science with AI** from the **University of Leeds**, graduating with **First Class Honours**. With hands-on experience in software development and data-driven projects, I have developed a strong foundation in programming and problem-solving.

EDUCATION

University of Leeds

MEng, BSc: Computer Science with Artificial Intelligence **First Class with Honours** Sep. 2019 – Jun. 2024

- Key Modules: Web Services & Web Data (**89%**), Master's Group Project (**86%**), Deep Learning (**78%**)

Bolton School Sixth Form

A Levels: Maths A, Chemistry A, Biology B Sep. 2016 – Jun. 2018

PROJECTS

Simulation of the Dynamic Evolution of Limit Order Books using Generative Models 2024

Synthetic Simulation of Financial Market Dynamics

- Used Generative Adversarial Networks trained on Limit Order Book data to create synthetic datasets
- Integrated synthetic data into a C++ trading platform for strategy testing in realistic market simulations
- Applied AI in C++ for practical financial solutions, merging theory with application

Utilising AI for Urine Dipstick Test Analysis in a Mobile Application 2023

Enhancing Home Health Monitoring with Artificial Intelligence

- Created an AI-powered mobile app for objective urine dipstick test interpretation using CNNs & Computer Vision
- Worked collaboratively on AI solutions for health diagnostics within a unified Android platform
- Improved urine dipstick test interpretation by providing disease risk assessments and health tips, boosting at-home diagnostic reliability

CERTIFICATIONS

British Airways Data Science Job Simulation on Forage November 2024

Data Science and Predictive Modelling

- Completed a simulation focussing on how data science is a critical component of British Airways' success
- Scraped and analysed customer review data to uncover findings
- Built a predictive model to understand factors that influence buying behaviour

Quantum Data Analytics Job Simulation on Forage October 2024

Data Analytics and Commercial Insights

- Developed expertise in data preparation and customer analytics, utilising transaction datasets to extract insights and inform commercial recommendations

ACHIEVEMENTS

Computer Science Course Representative

(Sep 2021 - June 2024)

- Facilitated effective communication between students and professors, especially during the online learning period, addressing challenges and fostering an understanding environment

TECHNICAL SKILLS

Languages: Python, Java, C++, HTML/CSS

Big Data and ML: TensorFlow, PyTorch, NumPy, Pandas, SciKit-Learn, SQL

Other Tools/Skills: Git, Android Studio, Bilingual (English & Farsi)