Yousef Qasim

Whatsapp: +44 07859322306
Call: +965 65808923
yqasem10@gmail.com

Portfolio: https://yousefqasim.uk
LinkedIn:
https://www.linkedin.com/in/yousefqasem/

Objective: To leverage my expertise in data analytics, machine learning and Power BI to develop innovative, data-driven solutions that enhance decision making and operational efficiency within the construction and property development industry.

WORK EXPERIENCE

Data Analyst at Oriental Roses Est. (Al-Zohoor Al-Sharkiya)
Kuwait | 07/2024 – Present

- Developed and optimized numerous Power BI reports and dashboards for real time inventory tracking and financial forecasting, significantly enhancing stock management capabilities and stakeholder reporting.
- Analysed timeseries sales data to identify seasonal trends, forecast demand, and optimize stock levels, significantly reducing future overstock and understock scenarios by 20%.
- Automated routine data processing tasks using Python scripts allowing more time for strategic analysis.

AI Contracts Intern at the University of Sheffield
Sheffield, United Kingdom | 06/2024 - 07/2024

- Conducted in-depth research on AI software packages, analysing offerings from 10 companies.
- Presented comprehensive reports and recommendations to a department of 25 members.

EDUCATION

MSc in Data Analytics at The University of Sheffield
Sheffield, United Kingdom | Grade: 1st Class | 09/2023 - 09/2024
- Relevant Coursework: Machine Learning and Adaptive Intelligence, Data Science with Python, Natural Language Processing, Modelling and Simulation of Natural Systems, Time-Series Forecasting using Deep Reinforcement Learning

BEng in Bioengineering at The University of Sheffield
Sheffield, United Kingdom | Grade: High 2:1 | 09/2020 - 06/2023
- Relevant Coursework: Biopharmaceutical Engineering, Tissue Engineering, Finance & Law for Engineers

High-School Education at the New English School
Kuwait | 2010 – 2020
- A-Level: Mathematics (A), Physics (A*), Computer Science (A)

COURSES & CERTIFICATIONS

- Microsoft Certified Power BI Data Analyst (PL-300)
- Amazon Certified AWS DevOps
- Molecular Bio simulations with ML
- IBM Full Stack Engineer

SKILLS

- **Programming Languages:** Python, SQL, foundation in C# and Java.
- **Data Analysis Tools:** Advanced proficiency in Pandas, NumPy, Matplotlib, and SciPy.
- **Data Visualization:** Expert in Power BI (certified), Tableau, Seaborn, Excel, Plotly.
- **Machine Learning:** Extensive experience in Scikit-learn, PyTorch, TensorFlow, and Keras.
- **ML 2:** Deep Reinforcement Learning libraries, RAG, LLMOps, API calls to existing models.
- **Soft Skills:** Communication, Collaboration, Problem-Solving, Time Management
- **Other:** OOP, data structures, and algorithms
- **Currently:** Enhancing skills through a personal DevOps course, with practical experience in Git, GitHub, and Docker.

PROJECTS

Neural Network Design for Natural Language Processing (NLP)
- Built a neural network from scratch, integrating RNNs and CNNs for advanced text analysis.

Deep Learning for Facial Orientation Detection
- Developed a CNN-based system for real-time, accurate facial orientation detection.

Scalable Machine Learning on High-Performance Computers
- Used Apache Spark to process Big Data & speed up the scalability and efficiency of ML models.

Predictive Financial Market Analysis Using Deep Reinforcement Learning (PPO & CNN)
- Used DRL to forecast & automatically trade S&P 500 using custom made features from LLM API.

Dynamic Biological Systems Simulation
- Simulated animal behaviours using differential equations & Euler's method in a bio-system model.

Activities & Interests

Basketball - Learnt teamwork and communication skills to win games in a team sport. Was the captain of the NES Basketball Club as well as a member of the Sheffield University Basketball Club.

Alto Saxophone - Distinction mark in Grade 4 in ABRSM, and then played recreationally for 4 years. Taught me the importance of practice and creativity.

Trading – Built automated trading strategies and performed parameter tuning to increase profits. Taught me how to develop pipelines, run experiments and analyse results and manage portfolios.

Languages – Fluent in English & Arabic, Learning Chinese **(Mandarin).** Learning languages keeps the brain sharp.