Muhammad Faizan Tariq

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https://github.com/m-faizan-tariq | **Portfolio:** https://m-faizan-tariq.github.io/faizan-portfolio/

PROFILE

With an MSc Data Science and Analytics degree, prior experience in Data Analysis, and a strong interest in Machine Learning and Artificial Intelligence, I am eager to apply my technical skills in an entry-level to mid-level role at an organisation to help contribute to innovative solutions and technological advancement.

KEY TECHNICAL SKILLS AND TOOLS

- Power BI, Microsoft SQL Server, SSIS, SSRS, Microsoft Azure
- Python, SQL
- Data Science (Pandas, Numpy, Matplotlib, Seaborn, Scikit Learn, TensorFlow/Keras, XGBoost)
- Data Cleaning, Data Exploration, Data Visualisation
- Neural Networks and Machine Learning
- C, C++, Assembly language
- VS code, Jupyter Notebook, Proteus, PSpice, Matlab, Github
- MS Office, Google Collaboratory

ADDITIONAL TRAINING

- Microsoft Azure AI Fundamentals: AI-900 [2025]
- Certificate of Professional training on SIEMENS PLC S7-300 and S7-400, HMI and SCADA [2016]

EDUCATION & QUALIFICATIONS

University of Hertfordshire, United Kingdom - MSc Data Science and Analytics	2024 to 2025
NUST, Islamabad, Pakistan - Bachelor of Electrical Engineering (CGPA: 3.23 / 4)	2012 to 2016
Government College University (GCU), Lahore, Pakistan – Intermediate (Grade: 85%)	2010 to 2012
Divisional Public School, Lahore, Pakistan – Matriculation (Grade: 93%)	2008 to 2010

WORK EXPERIENCE

Data Analyst | AlSouq, Pakistan **Dec 2016 to Dec 2023**

- Analysed existing ETL/SSIS jobs to understand data flows, source systems, and business logic.
- Used Azure Linked Services to connect to databases and spreadsheets, ingesting and centralizing the data in an Azure SQL Database.
- Developed and managed reusable data transformation logic using Power BI Dataflows, creating new tables, linked tables for shared logic, and computed tables for complex aggregations.
- Created a suite of interactive visualization dashboards using Power BI Desktop, Power BI Report Builder, and the Power BI Service. Reports included visuals such as Heat Maps, Geo-Maps, and Gantt charts, and were powered by DAX scripts to calculate key business KPIs.
- Managed the end-to-end report lifecycle, including creating and organizing content in Power BI workspaces, deploying reports, and configuring scheduled data refreshes.

Brand Ambassador | N2O, United Kingdom **Mar 2024 to May 2024**

- Successfully promoted products from N2O clients in various Tesco stores in UK.

- Effectively increased product awareness and sales by sampling and marketing products to potential customers.
- Demonstrated strong communication skills that led to positive interactions and customer engagement.
- Consistently exceeded performance goals set by N2O, resulting in additional assignments in similar roles.

Warehouse Operative | Recruit4Staff, United Kingdom **May 2024 to Mar 2025**

- Successfully collaborated with colleagues in a fast-paced warehouse environment leading to open communication and effective teamwork.
- Efficiently managed tasks and met deadlines while working under pressure.
- Demonstrated ability to think critically and find solutions to challenges.
- Consistently maintained high standards of accuracy and precision in work which resulted in significant time savings.

PROJECTS

Predicting and Visualizing House Prices in England and Wales using AI **Feb 2025 to May 2025**

- Developed and evaluated machine learning (Linear Regression, Random Forest, XGBoost) and deep learning (Neural Networks, LSTM) models to predict house prices in London using HM Land Registry and Energy Performance Certificate data.
- Engineered features from raw transaction data, implementing robust preprocessing steps including outlier handling and advanced categorical encoding (Label Encoding, One-Hot Encoding) for high-cardinality features.
- Conducted rigorous model comparison using RMSE, MAE, and R^2 metrics demonstrating that ensemble methods (XGBoost, Random Forest) outperformed deep learning approaches in this context.
- Tech Stack: Python, Pandas, NumPy, Scikit-learn, TensorFlow/Keras, XGBoost.

Analysing Bitcoin Price Dynamics using R **Oct 2024 to Jan 2025**

- Collaborated on a group research project analysing three years of historical Bitcoin data to investigate the relationship between opening and closing prices.
- Led data cleaning, resolving missing values in key price columns through NA standardisation and linear interpolation, and produced summary statistics to validate data quality.
- Supported the teams statistical analysis by preparing a model ready dataset for visualisation, regression, and Spearman correlation, demonstrating a strong positive association between open and close prices.
- Tech Stack: R, zoo, statistical analysis and data visualisation.

LANGUAGES

- English (IELTS 7.5)
- Urdu (Native)
- Punjabi (Native)