

Fardeen Khan

Aspiring Data Scientist / Machine Learning Engineer with MSc Data Science (Heriot-Watt University) and BCA, plus 3+ years of project experience. Skilled in Python, SQL, and advanced ML/AI frameworks, with projects in Financial Fraud Detection, Data Visualization, and Workflow Automation. Strong foundation in stakeholder coordination, process optimization, and technical reporting, bridging technical insights with business outcomes.

✉ fardeenkhan23820@gmail.com, 📍 Dubai, UAE, 📞 +971 55 296 6298, 🌐 [linkedin.com/in/fardeen-khan-01a760222](https://www.linkedin.com/in/fardeen-khan-01a760222)

SKILLS

Programming & Tools:

Python, Java, SQL, Pandas, NumPy, Scikit-learn.

Techniques:

ML, DL, NLP, Data Mining, Statistical Analysis, Data Modelling, Big Data, Feature Engineering.

Visualization & Reporting:

Power BI, Tableau, Matplotlib, Seaborn, d3.js, and Technical Writing.

Soft Skills:

Problem-Solving, Collaboration, Communication, Adaptability, Documentation.

CERTIFICATES

- Data Science Certificate (03/2022 - 08/2023)**
Tools and Technologies: Python, Pandas, NumPy, Excel, Artificial Intelligence (AI), Machine Learning (ML)
- Full Stack Python Developer (11/2022 - 03/2023)**
Tools and Technologies: HTML, CSS, JavaScript, SQL, Python
- Full Certificate of Achievement Heriot-Watt Global Team (04/2025)**
Awarded for achieving 5th place in the Kaggle Competition on Text Classification for Amazon Food Reviews. Conducted as part of the Applied Text Analytics course at Heriot-Watt University (Dubai Campus).

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Kannada

Professional Working Proficiency

EXPERIENCE

Project & Work Management Associate

Hi-Tech Electrical, Bangalore, India (2019-2023).

- Prepared quotations/tenders for large-scale projects; assisted in securing award
- Managed procurement, coordinated suppliers, and supervised site execution.
- Produced technical drawings, reports, and completion documentation.
- Built expertise in project management, stakeholder coordination, and operations.

EDUCATION

Master of Science (MSc) in Data Science

Heriot-Watt University | Dubai, UAE | September 2023 - Present,

- Modules: Data Mining & ML, Statistical Modelling, Big Data, Visualization, Industrial Programming

Bachelor of Computer Applications (BCA)

HKBK Degree College | Bengaluru North University | Bangalore, India | May 2019 - September 2022

Second PUC (CEBA)

Huda National PU College | Department Of Pre-University Education | Bangalore, India | March 2019

S.S.L.C

Adhyapana High School | Karnataka Secondary Education | Bangalore, India | April 2017

PROJECTS

Financial Fraud Detection (MSc Dissertation)

- Designed a scalable ML-based system using the Bank Account Fraud (BAF) dataset for real-time fraud detection.
- Implemented models including LightGBM, CatBoost, and Transformers with SMOTE balancing for fairness.
- Evaluated models using ROC-AUC, F1-score, and precision-recall metrics.
- Tools: Python, Scikit-learn, Pandas, Transformers

Earthquake Data Visualization Dashboard

- Created an interactive d3.js dashboard for real-time earthquake data monitoring. Produced advanced statistical reports for decision-making support.

Document Tracking Data Analysis Tool

- Automated reporting with Python, improving workflow efficiency and data integrity.
- Tools: Python, Pandas, NumPy, Excel, AI/ML.

German Traffic Sign Classification

- Built ML models to classify traffic signs using regression, neural networks, and clustering.
- Analyzed and interpreted complex image datasets to optimize accuracy.
- Streamlined data pipelines for efficient performance.