Jamie Atiyah

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PERSONAL STATEMENT

As a motivated data scientist with an MSc in Data Science, I'm passionate about applying my strong analytical skills and advanced expertise in data-driven decision-making. Experienced in market analysis, I contributed vital insights into data-driven decision-making and increased operational efficiency. My role also involved overseeing projects, demonstrating my effective project management skills. Proficient in Python, C#, R, SQL, Apache Spark, Excel, and Power BI, I bring a holistic approach to data analysis and interpretation.

KEY COMPETENCIES

Data analysis	Data visualisation	Project management
Machine learning	Big data technologies	Ethical data practices
Programming	Industry insight	Collaboration & communication

PROFESSIONAL EXPERIENCE

Bank of New York Mellon **Sept 2020 - Sept 2022**
Graduate Analyst

Accomplishments:

- Utilised Excel and VBA to perform precise dividend payment analysis, ensuring data accuracy and integrity for financial transactions and reporting.
- Demonstrated leadership by overseeing and authorising work conducted by team members, showcasing project management skills crucial in data science projects.
- Received commendation from senior management for conducting a comprehensive analysis of Portuguese dividend and interest events, providing critical insights into complex financial data. Conducted in-depth analysis of market regulations across diverse countries, contributing vital insights for data-driven decision-making and increasing operational efficiency.
- During two peak seasons, I played a pivotal role in processing billions of dividend and interest events, managing the sheer volume of work while adhering to strict financial time restrictions.
- Led training sessions for new team members, resulting in skill improvements and the empowerment of an additional cohort of employees to authorise work, enhancing operational efficiency.
- Served as a resource and mentor, offering guidance and support, and contributing to overall team performance improvements.
- Pioneered and oversaw a user-friendly repository, improving access to critical market-specific data for dividend and interest events within the EMEA region.

Bank of New York Mellon **Jun 2019 - Aug 2019**
Summer Analyst

Accomplishments:

- Collaborated cross-functionally to design and implement a Power BI data repository, improving accessibility and understanding of critical data.
- Contributed significantly to a project enhancing diversity in the Summer Analyst recruitment process through innovative data-driven strategies.
- Contributed significantly to a project aimed at enhancing diversity in the Summer Analyst recruitmentprocess, leading to the implementation of innovative data-driven marketing strategies.

EDUCATION

Master of Science in Data Science (MSc) **Grade: Distinction**

Manchester Metropolitan University (Sept 2022 - Sept 2023)

- Maintained outstanding academic performance with notable achievements, including 91% in advanced machine learning, 95% in data management and governance, 87% in high-performance computing and big data. On track to attain an impressive 83% overall grade.
- Proficient in advanced machine learning techniques for robust predictive modelling.
- Developed a deep learning model to accurately predict post-hurricane damage status of vehicles from satellite images, achieving an impressive accuracy rate of 80.85% and an F1 score of 0.8341. This model has the potential to significantly reduce response time for emergency services when implemented.
- Demonstrated strong project management skills in leading end-to-end data science projects.
- Conducted thorough exploratory data analysis, statistical analyses, and data pre-processing.
- Leveraged data visualisation for clear communication of data-driven insights.
- Expertise in data management and governance practices, ensuring data quality and compliance.
- Emphasis on ethical data collection, handling, and analysis throughout coursework and projects.
- Utilised Apache Spark and other big data technologies to process and analyse large-scale datasets efficiently.

Bachelor of Science in Mathematics (BSc) **Grade: 2:1**

The University of York (Sept 2017 - June 2020)

- First-class honours dissertation in using Machine Learning for predicting football match outcomes.
- Proficient in advanced statistical modelling (survival analysis, Poisson modelling).
- Expertise in mathematical finance, pricing models, and stochastic processes.
- Practical data science using R: data cleaning, visualisation, and modelling.
- Acquired foundational skills in data protection, cybersecurity, and risk evaluation
- Applied data protection, cybersecurity, and risk evaluation concepts.

PROJECTS

1. **Auto Trader Pricing Project**
   - Predicted vehicle selling prices with supervised learning.
   - Used Random Forest Regressor for accurate modelling.
   - Employed PCA for dimensionality reduction.
   - Leveraged ensemble methods for improved predictions.
   - Explored model interpretability with Shap values.
2. **Deep Learning Task for Post-Hurricane Damage Assessment**
   - Developed VGG16 and ResNet50 models for damage assessment.
   - Achieved 80.85% accuracy with VGG16.
   - Utilised image augmentation and ROC-AUC analysis.
3. **Big Data Analysis with Apache Spark**
   - Tested bike rental hypotheses with Apache Spark.
   - Found significant differences in ride durations.
   - Investigated bike rental and traffic volume correlation.

CERTIFICATIONS

1. **Data Analytics Consulting Virtual Internship (KPMG October 2023)**
2. **Data Analytics and Visualisation Job Simulation (Accenture October 2023)**
3. **Level Up: Advanced SQL (LinkedIn October 2023)**