Bharat Ram Ammu

Analytics Manager at Interactive Brokers UK

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Nationality: Belgian   **Location:** London, United Kingdom
Driving License: B (Belgium)

Objective

Data science leader with 7+ years of experience in the deployment of AI solutions, reducing operational risks, and delivering measurable business impact through scalable machine learning models.

Skills

- Agile Project Management
- Machine Learning
- Data Science
- Cloud Platforms (AWS, GCP, Azure)
- Python, Django, Flask
- Docker, Kubernetes, MLFlow, Kubeflow
- SQL, Neo4j
- Agile (Scrum, Kanban)
- SAS, Bash, Selenium
- GitHub, Bitbucket, Jira, Asana

Work Experience

Model Governance and Analytics Manager
Feb 2025 – Present
Interactive Brokers, London, United Kingdom (Hybrid)

- Managing model governance and tuning for AML, Trade Surveillance, and Sanctions models.
- Conducting financial crime data analysis and model validation using Python and SQL.
- Optimizing alert thresholds to balance risk and false positives.
- Ensuring compliance with regulatory standards and governance processes.

Head of Data Science
April 2023 – Feb 2025
Complidata, Tervuren, Belgium

- Led development and product management of the FCRR platform, collaborating with product owners and cross-functional squads to deploy machine learning pipelines, improving model efficiency by 15% and reducing false positives by over 30%.
- Adapt AI strategy with broader business objectives, ensuring that data science initiatives contributed to compliance, risk reduction, and measurable business outcomes.
- Managed and mentored the data science team, increasing productivity by 20% through workflow optimization, while overseeing resource allocation and long-term AI strategic planning.

Data Science Consultant
April 2022 – April 2023
Complidata, Tervuren, Belgium

- Delivered strategic consulting, optimizing machine learning models to improve the efficiency of financial crime risk detection, reducing review times by 15%.
- Developed and deployed explainable ML models, lowering false positives in money laundering detection, leading to a reduction 10% in manual investigations.
- Collaborated with cross-functional teams to integrate data insights into business strategies, boosting decision-making speed and accuracy.

Senior Data Scientist *January 2019 – April 2022*
Complidata, Tervuren, Belgium

- Pioneered model explainability research using LIME and SHAP, reducing false positives by 30-70% for AML compliance and KYC PEP/Sanctions screening.
- Developed an automated narrative generation tool for ML outputs, increasing client trust by 25%, as per feedback from AML investigators.
- Built a user-friendly ML product using Flask and Kubeflow, enabling non-technical users to manage ML pipelines with customizable classification models.
- Led the development of network risk scoring models using Neo4j, reducing risk exposure by 10%.

Junior Data Scientist *April 2017 – Dec 2018*
Complidata, Tervuren, Belgium

- Developed ML models and analytics solutions, reducing manual data analysis efforts by 15% and improving report generation efficiency.
- Automated alert investigations using web scraping with Selenium, enhancing Customer Due Diligence (CDD) workflows as part of KYC.
- Published a master's thesis in collaboration with Complidata, optimizing false positives for AML compliance using interpretable ML models.

Education

Master of Science in Statistics *2016 – 2018*
KU Leuven, Belgium — a globally ranked university consistently in the top 50
Bachelor of Technology in Metallurgical & Materials Engineering *2010 – 2014*
National Institute of Technology (NIT), Warangal, India

Key Projects

- **Transaction List Sanctions Screening Optimization (TLS)**: Clients: Belfius Brussels, BNP Paribas Paris
- **Transaction Monitoring Optimization (TMO)**: Clients: Allied Irish Bank, Raiffeisen Bank, Commerz Bank
- **Name Screening Optimization**: Clients: Belfius Belgium, GPM France, Klaesia Insurance France
- **Open-Source Intelligence (OSINT)**: Client: DLL Netherlands

Languages

- **English**: C2 (Proficient)
- **Dutch**: A2 (Intermediate)
- **French**: A1 (Beginner)
- **Hindi**: C2 (Proficient)
- **Telugu**: C2 (Native)