

# Abderrahmane Kajeou

Data Analyst | AI Data & Evaluation | BI Analyst  
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## PERSONAL PROFILE

Data analyst with hands-on experience across SQL, Python and Power BI, and current exposure to AI model evaluation workflows through an Amazon AGI Data Associate role in London supporting Alexa and Nova, with a 97% quality score and Subject Matter Expert (SME) status on one workflow. Background includes building fraud-detection models and analytical dashboards on financial and blockchain datasets, including an MSc dissertation on DeFi fraud detection across Ethereum transactions. Seeking a Data Analyst, BI Analyst, or AI Data/Quality role in London.

## TECHNICAL SKILLS

### Data Analysis

- SQL (joins, CTEs, window functions, aggregations, subqueries); Python (Pandas, NumPy, scikit-learn, Matplotlib, Seaborn)
- Excel (Power Query, Pivot Tables, advanced formulas); Power BI (DAX, interactive dashboards, data modelling)

### Machine Learning & Analytics

- Classification, Regression, Anomaly & Fraud Detection; scikit-learn (KNN, Logistic Regression, Naive Bayes)
- Financial & risk analysis, risk scoring systems; probability foundations for data science

### AI Data & Evaluation

- Multimodal dataset annotation (text, image, audio, video); model-output quality assessment
- Structured evaluation workflows (English/French)

### Tools & Other

- Git, Jupyter Notebook, REST APIs, FastAPI; blockchain analytics (DeFi transaction analysis, on-chain data interpretation)

## WORK EXPERIENCE

### Data Associate — Amazon AGI (Artificial General Intelligence)

May 2026 – Present

*Amazon, London*

- Evaluate and annotate multimodal datasets (text, image, audio, video) within structured ML evaluation pipelines supporting Amazon's Alexa and Nova models
- Assess AI-generated outputs for accuracy, relevance and linguistic quality across English and French against defined evaluation criteria
- Identify systematic errors in model outputs and annotation patterns, feeding quality signals back into LLM training data pipelines
- Maintain a 97% quality score on assessed work and serve as Subject Matter Expert (SME) for one of the workflows supporting an AI agent
- Worked on an L4 workflow evaluating animation-related model outputs, extending evaluation work beyond text into visual and motion content

### Internal Control Analyst Intern

Apr – Jun 2024

*National Office of Electricity and Drinking Water (ONEE), Oujda*

- Built Power BI dashboards tracking operational KPIs across 10+ reporting areas, reducing manual Excel reporting time for the internal control team
- Analysed financial transaction data to identify spending patterns and inefficiencies, supporting internal audit reporting

### Financial Delegate Intern

May – Aug 2023

*Faculty of Economic, Social & Legal Sciences, Oujda*

- Conducted 3 market analyses identifying key financial opportunities, informing budget optimisation and cost reduction decisions
- Managed 500+ financial records via the AD@E platform, improving accuracy and audit readiness

### Finance Intern

May – Sep 2022

*Presidency of Mohamed 1 University, Oujda*

- Supported financial reporting for a department with a \$500K budget, ensuring accurate transaction processing
- Coordinated development of a \$200K departmental budget, improving financial tracking and resource allocation

## PROJECTS

### Ethereum Fraud Detection Model • Python • Pandas • scikit-learn • FastAPI

- Analysed 50,000+ Ethereum transactions to identify fraudulent behavioural patterns
- Engineered transaction-level features and built classification models (Logistic Regression, Naive Bayes, KNN)
- Deployed a risk scoring API using FastAPI, enabling real-time fraud probability scoring per address

### Fraud Risk Monitoring Dashboard • Power BI • SQL

- Designed an operational fraud monitoring dashboard tracking 1.3M+ transactions and £91M in value

- Built fraud trend monitoring to detect abnormal transaction spikes and flag high-risk periods
- Created investigation interface enabling filtered review of suspicious accounts and transaction chains

### **Blockchain Invoice Verification dApp • Solidity • ethers.js • SQL • Python**

- Built smart contract registry to verify invoices on-chain and prevent duplicate or fraudulent submissions
- Designed a CSV ingestion pipeline extracting verified invoice data from the blockchain into a SQL database
- Developed SQL queries to monitor submission patterns, detect anomalies and support audit reporting

## **EDUCATION**

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### **MSc Blockchain and Financial Technology — Distinction (85%)**

*Sept 2024 – Oct 2025*

*University of East London*

- Dissertation: 92% — Detecting DeFi Fraud on Ethereum: An AI-Driven Approach to Smart-Contract Risk Mitigation
- Relevant modules: Machine Learning on Big Data, Data Analytics, Artificial Intelligence, Cybersecurity & Risk Analysis

### **Professional Bachelor's in IT Business Management — Ranked 3rd in Cohort**

*Oct 2023 – Aug 2024*

*Higher School of Technology, Oujda*

- Final Year Project: 16/20 (First Class equivalent) — Designed performance monitoring dashboards to support decision-making

### **DUT in Finance, Accounting, and Taxation**

*Sept 2020 – Jul 2023*

*Higher School of Technology, Oujda*

## **OTHER EXPERIENCE**

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### **Blockchain & Crypto Market Research (Self-Directed)**

*Feb 2023 – Present*

- Researched 50+ blockchain and DeFi projects, analysing tokenomics, risk factors and on-chain transaction behaviour
- Analysed historical Bitcoin market cycles around halving events using Python and Excel; built time-series models of price behaviour around halvings
- Investigated abnormal transaction patterns and fraud indicators across blockchain networks

## **CERTIFICATIONS**

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- **Probability Foundations for Data Science and AI** — University of Colorado Boulder (Coursera)
- **Excel Skills for Business** — Macquarie University
- **Microsoft Power BI Data Analyst** — in progress

## **LANGUAGES**

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**Arabic** (Native) | **French** (Upper-Intermediate) | **English** (Upper-Intermediate)