

RUSHIKESH GAVHANE

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PROFILE

Analytical and technically curious graduate with strong foundations in data management, data engineering, analytics, and governance principles, seeking to join M&G's Technology Graduate Scheme – Enterprise Data. Experienced in data pipelines, data quality, modelling, and business-driven analytics, with hands-on exposure to Python, SQL, cloud platforms, and enterprise data strategy concepts. A proactive learner with excellent collaboration and communication skills, motivated to support data-led business transformation within Financial Services.

EDUCATION

- **Queen Mary University of London | 2025-2026**

Msc in Data Analytics

Key modules : Programming in Python, Storing / Manipulating / Visualizing data in Excel, Python & Advance Machine Learning , Forecasting with AI, Computational Statistics with R

- **International Institute of Information Technology | 2021-2025**

Bachelors of Technology in Computer Science and Engineering

Key modules : Data Structures and Algorithms, Machine Learning, Soft Computing, Theory of Computation, Mathematics and Statistics

TECHNICAL SKILLS

- **Data & Analytics:** Data Management, Data Engineering, Data Governance, Data Quality & Validation, Data Architecture (Conceptual Understanding), Enterprise Data Strategy, Business Data Analysis, Data Modelling, ETL Pipelines, Data Literacy & Adoption
- **Technical Skills:** Python (Pandas, NumPy, Matplotlib), SQL (relational databases, joins, aggregation), REST APIs & Data Integration, Cloud Platforms (Foundational exposure – Cloudflare / Cloud concepts), Version Control (Git, GitHub), FastAPI / Backend Services, Data Visualization & Reporting
- **Professional & Behavioural Skills:** Analytical Thinking & Problem Solving, Stakeholder Communication, Cross-team Collaboration, Independent Research & Learning, Attention to Detail, Documentation & Knowledge Sharing

PROJECTS

- **Epydemix RAG Chatbot – Enterprise Data Architecture & Governance**

Technologies: Python, FastAPI, FAISS, LangChain, LLMs, cloud deployment

- Built an end-to-end RAG data pipeline processing **80+ curated documentation chunks**, transforming unstructured web content into a **governed, searchable enterprise knowledge system**.
- Enabled **the professor and multiple researchers** to quickly understand Epydemix concepts, reducing manual documentation search time by **~60–70%** during exploratory research.
- Applied **strict data governance controls** (context-only answering, missing-information handling), significantly reducing hallucinations and increasing trust in analytical outputs.
- Designed a modular data architecture (ingestion → indexing → retrieval → serving), improving **maintainability, traceability, and scalability** of the data system.

- **AI platform to help ADHD Students in their learning**

Hackathon Project | Queen Mary University of London

- Conducted user interviews with **15+** students, segmented users by learning patterns and attention challenges to inform **data-driven product design**.
- Applied **customer segmentation and feedback analysis** to refine features, demonstrating how **data insights translate into product and business decisions**.
- Pitched the solution to a panel of industry judges and investors, winning the “**Best Pitch**” award for clarity of problem definition, data-backed approach, and impact.

WORK EXPERIENCE

- **DataAnalyst | SigmaTechAI**

- Analyzed datasets of 100K+ records to identify customer behavior patterns, leading to a 15% increase in retention rates
- Conducted statistical analysis and built predictive models that improved forecasting accuracy by 20%