

Saif Rahman Syed

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WORK & LEADERSHIP EXPERIENCE

Schneider Electric, Coventry, UK, **Data Science Consultant** April 2025 - August 2025

- Led the development of an Agentic AI reporting tool that delivers real-time decarbonisation recommendations using time-series data from IoT sensors, contributing to operational carbon savings
- Built a scalable real-time data ingestion pipeline using Python, Apache Kafka, and PostgreSQL, enabling ingestion of millions of sensor readings daily and reducing latency from 10 minutes to under 30 seconds, accelerating diagnostics
- Programmed autonomous decision-making workflows using LangGraph, Open Source LLMs, and Python to detect energy inefficiencies, achieving 85%+ accuracy in identifying critical waste events and informing corrective actions
- Utilised MLFlow to benchmark deep learning models (LSTM, GRU, Transformer) and tree-based regression models on TensorFlow and Scikit-learn to accurately predict multi-step energy consumption and carbon emissions in smart buildings

London School of Hygiene and Tropical Medicine, Remote, **Data Consultant** September 2024 - March 2025

- Collaborated with research stakeholders to translate complex requirements into a robust data platform on AWS, accelerating data analysis cycles for the research team
- Deployed an event-driven serverless architecture using AWS Lambda, DynamoDB, and CloudWatch, ensuring 99.9% uptime and seamless data flow from 200+ participants

Deloitte, Mumbai, MH, **Consultant** January 2020 - September 2024

- Advised 3 major financial services clients on test automation and QA modernisation, reducing release cycle times by up to 25%
 - Developed SQL queries to validate outputs from 5,000+ test scripts across PostgreSQL and MongoDB, identifying systemic flaws and technical debt that reduced defects in testing cycles by 30%
 - Developed and maintained a NLP-powered risk document validation system using NLTK, spaCy, and custom transformer models, automating manual compliance checks and reducing validation time by 70%
 - Built a REST API automation framework in Java with 95% test coverage, helping teams catch defects early and reduce defect leakage
 - Integrated automated testing into CI/CD pipelines using Azure DevOps, Jenkins, and Git, facilitating high-quality, zero-downtime deployments
 - Drove Agile practices with teams based in US, UK and Portugal, improving sprint velocity by 20% and strengthening delivery consistency
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EDUCATION & QUALIFICATIONS

Warwick Business School,

MSc Management of Information Systems and Digital Innovation

September 2024 - August 2025

Grade: First (Provisional)

SRM Institute of Science and Technology,

BTech Electronics and Instrumentation

June 2015 - May 2019

Percentage: 80.61%

SKILLS

- **Programming Languages:** Python, Java, SQL
- **GenAI & Machine Learning:** LLMs, RAG, Prompt Engineering, Model Training/Testing, Hugging Face
- **Cloud & Data Platforms:** Azure (DevOps, AI Services, Cognitive Search), AWS (Lambda, DynamoDB), Databricks, Apache Kafka, PostgreSQL, MongoDB, Vector Databases
- **Software Engineering & MLOps:** CI/CD Pipelines, Git, Docker, Jenkins, Automated Testing
- **Frameworks & Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Rest Assured, LangChain, LangGraph
- **Visualisation & BI:** Power BI, Matplotlib, Seaborn, Streamlit
- **Certifications:** Azure AI Fundamentals (Microsoft), Google Data Analytics (Coursera)