

Kritin Rajaram

PROFILE

M.Sc. Data Science graduate (University of Bristol) with 4+ years building production-grade AI, GenAI and data products that turn messy information into board-level insights. I combine advanced ML, generative-AI (LangChain, LangGraph, LlamaIndex) and full-stack data engineering (Snowflake, GCP, AWS, Python, MySQL) to automate workflows, slash cycle times, and unlock multimillion-dollar savings. Comfortable partnering with C-suite leaders, I translate complex analytics into clear, actionable strategies that drive measurable business impact.

PROFESSIONAL CERTIFICATIONS

- Microsoft Azure Fundamentals (AZ-900) and Azure AI Fundamentals (AI-900) **March 2025**
- ITIL V4 Foundation **March 2024**
- Certified Scrum Master (CSM) **Jan 2024**

RELEVANT WORK EXPERIENCE

Senior AI Engineer – Ernst & Young, London, UK **Dec 2025 – Present**

EY Tax Technology and Transformation is a forward-thinking sub-service line that delivers tech-enabled tax solutions to businesses, enabling them to turn their tax function from a compliance obligation into a strategic advantage.

- Developed a proof-of-concept AI-powered Company Profile Analyser that generates structured, 15-section tax intelligence reports by orchestrating real-time web research through modular AI workflows built on LangGraph, enabling faster and more informed client tax assessments.
- Built an AI agentic workflow to automate the drafting of tax advice for Global Mobility requests, reducing a process that required several days of a tax analyst's effort to seconds — with the analyst retained in a review capacity, freeing capacity across an estimated 300 requests annually.

Senior Data Scientist | Mindsprint, Chennai, India **April 2023 – Nov 2025**

Mindsprint is a leading edge technology and business services firm that provides impact driven solutions to businesses, enabling them outpace speed of change.

- **Project Astro: Olam Agri's Non-commodity Procurement Division – GenAI Engineer**
 - Led the development of Proverse, a suite of AI-powered applications built on a microservices architecture to optimize Olam Agri's \$1 Billion Non-commodity Procurement (NCP) division, streamlining procurement workflows and decision-making.
 - Drove cost savings and efficiency gains, enabling *category managers to achieve 3–5% annual savings and reduce key process times by 40–60%*, allowing greater focus on strategic initiatives.
 - Enhanced stakeholder experience, *improving Net Promoter Scores (NPS) by delivering intuitive, data-driven tools that empowered internal teams and strengthened external partnerships*.
- **Project Astro: GenAI for Olam Group Investor Relations – GenAI Engineer**
 - **Slashed reporting cycle time** by automating first-draft MD&A and annual-report generation (leveraging advanced AI algorithms), shrinking turnaround from **≈10 business days to 3** (-70%) and freeing **~500 analyst-hours per year**.
 - The tool significantly improved the reporting process, allowing business unit heads and senior stakeholders to enrich insights with additional data sources like call transcripts and news articles.
- **Project Astro: GenAI for Olam Group Corporate Secretary Team – GenAI Engineer**
 - Developed a Minutes of the Meeting management tool which utilized Azure and Open AI resources for a corporate secretary to draft minutes of the meeting from a board meeting recording. *It automated an 8 hour worth of effort to less than an hour – 87.5% reduction in effort.*
- **Olam Agri: Counter Party Financial Portal Development – Python Developer**
 - Developed backend solutions using Flask, integrating with Snowflake databases for financial data management – included data wrangling at the backend.

Data Scientist | Infosys Consulting, London, United Kingdom **Jan 2023 – Feb 2023**

Infosys Consulting is a global management and technology consulting firm.

- Created Power BI dashboards to visualise reports of sales, inventory, and projections as part of Digital Cockpit POC - 1 (DCP-1) for British Petroleum to its forecourt division. Generated synthetic data as well as utilised data augmentation techniques to add dimensions to the data.
- Digital Cockpit POC – 2 included extracting relevant information from unstructured data using a variety of classical NLP and deep learning techniques in *health& safety reports and visualised common causes using a graph network viz. in Power BI*.

Junior Data Scientist | Carbase & Vanbase group, Bristol, United Kingdom **Aug 2021 – Feb 2022**

Carbase & Vanbase group is a leading retail car-van selling company in the south-west, UK.

Visa Status: Indefinite Leave to Remain (ILR) in the UK

- Implemented various ETL data pipelining for the organization using tools from Google Cloud Platform (GCP)-BigQuery, Google sheets, Cloud Scheduler, etc., and also utilized conventional data engineering techniques using Python3 (using Pandas, NumPy, Google Sheets, MySQL, Google API).
- Collaborated with the COO to perform extensive data and statistical analysis using Pandas & PySpark to create insightful dashboards using Power BI and Google Data Studio for senior management.
- Automated **87.5% of the repetitive and mundane daily tasks** of the Marketing team thereby **improving the team's productivity for tasks weekly by 65%**. Automation was done utilising a combination of Automation Anywhere bots, Python code, and Google Cloud Platform.

Student Trainee | Tech Mahindra, Chennai, India

June 2019

Tech Mahindra primarily provides Information Technology and Business Process Outsourcing services.

- Trained multiple regression models (Linear Regression, Logistic, and Polynomial Regression) and analysed amongst them what is most suitable for Price Optimization (project done for telecommunication company client).

EDUCATION

University of Bristol (UoB), United Kingdom

Sept 2020 – Sept 2021

MSc Data Science [Think Big Postgraduate Scholarship awardee]

First Class with Distinction

- **Course Representative for MSc Data Science cohort 2020-2021**
- Obtained the **Bristol PLUS Award** for excelling and taking part in various extra-curricular activities.

SRM Institute of Science and Technology (SRM IST), India

June 2016 – May 2020

Bachelor of Technology (B.Tech) – Electronics and Communication Engineering

82.21%

RELEVANT PROJECTS

Data Science Industry Project for Lloyds Retail Bank (Module in MSc Program)

- Implemented classical and ML-driven ETL, executed comprehensive data analysis & visualization, and deployed ML for anomaly detection, trend analysis, customer profiling, and network analytics; earned Distinction (79%) in a 20-credit module.

MedFetch Software Product [Master's Dissertation]

- Co-developed a SaaS search engine for unstructured healthcare data integrated with HMS (Hospital Management System), targeting low-resource hospitals; applied ML/DL models for performance analysis, secured non-dilutive grants, and advanced through multiple accelerators; earned Distinction (78%) in dissertation.

Visual Analytics Coursework (Module in MSc Data Science Program)

- Wrangled ONS UK job-market data, performed statistical analysis, and built comprehensive Tableau dashboards revealing key gender-specific trends and anomalies; leveraged PCA and t-SNE for dimensionality reduction, earning Distinction (93%) in a 20-credit module.

PUBLICATION & PATENT

Smart Glass: Real-Time Leaf Disease Detection using YOLO Transfer Learning – [IEEE Link](#)

- Undergraduate Dissertation Project. Novel approach for a low-cost smart glass design and implementation of tomato leaf disease detection using YOLOv3; which was awarded 10/10 GPA.
- Publication: Institute of Electrical and Electronics Engineers (IEEE)
- **Patent number - Intellectual Property India (IPA): 564969**

HONOURS & AWARDS

“Best Individual for Outstanding Performance” & “Best Team” for Q3 2024 (*Mindsprint: Project Astro*) **Jan 2024**

Imagine If! Accelerator for Science Ventures: Oxford Finals - Local Top 10 **May 2021**

New Enterprise Competition: Development Stage – UoB **March 2021**

New Enterprise Competition: Idea Stage – UoB **Dec 2020**

BEMS Sustainable Enterprise Competition Winner 2020 – UoB **Oct 2020**

“Best Project Award” at Technow'17 – SRM IST **May 2017**

TECHNICAL SKILLS

- Python, FastAPI, Flask, MySQL, Docker, Kubernetes, Git, GitHub, Google API, Jupyter Notebook, UiPath, Automation Anywhere, Microsoft Office Suites, Google Workplace, MS Excel, Google Sheets.
- Data Viz Tools: Tableau, Power BI, Gephi.
- AWS: Redshift, S3, SQS, Snowflake, EC2, Auto Scaling, ELB, VPC, DynamoDB, etc.,
- GCP: Compute Engine, BigTable, BigQuery, Data Studio, Data Lab, Cloud Scheduler, etc.,
- Azure: Notebook VMs, ML SDK, Cognitive Services, Virtual Machines, Container Instances, etc.,