

KISHEN PATEL

Data Scientist | Python | NLP, GenAI, LLMs | Classification & Predictive Modelling

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PROFESSIONAL SUMMARY

Junior Data Scientist with a First-Class BSc (Hons) in Computer Science and ~1.5 years' hands-on experience building Python-based machine learning and statistical workflows across datasets exceeding 200 million rows. Built exploratory data analysis, customer segmentation, churn prediction, and classification models in Python (pandas, NumPy, scikit-learn). Translated technical findings into Power BI dashboards and clear recommendations for 60+ senior stakeholders, directly shaping customer retention and treatment prioritisation decisions. Undergraduate dissertation designed, trained, and evaluated a multimodal neural network classifier end-to-end on real world Alzheimer's disease data, applying explainable AI techniques to interpret its predictions with hands-on grounding in the model-building fundamentals behind modern NLP and GenAI systems. Applies LLM tools (Claude Code, ChatGPT, Gemini, Perplexity, Cursor) daily to accelerate development, and is keen to deepen this into production work. Curious, structured, and comfortable turning ambiguous problems into rigorous, well-communicated solutions.

TECHNICAL SKILLS

Machine Learning & Statistics: Python (Pandas, NumPy, scikit-learn, Matplotlib) | Classification, Regression & Clustering | Predictive Modelling | Feature Engineering | Statistical & Mathematical Modelling | Exploratory Data Analysis

NLP & Generative AI: LLMs (GPT, Claude, Gemini) | Neural Networks | Explainable AI | Prompt Engineering | Agentic AI | NLP

Data & Engineering: SQL | Google Cloud Platform (GCP Workbench) | Jupyter Notebooks | Azure DevOps

Visualisation & BI: Power BI | Tableau | Dashboard Development | Stakeholder Reporting | Microsoft Excel | Google Sheets

Currently Developing: PyTorch / TensorFlow | Retrieval-Augmented Generation (RAG)

PROFESSIONAL EXPERIENCE

Accenture - Management Consulting Analyst, AI & Data

Jan 2025 – Present

London, UK. Delivers data science and analysis with AI-enabled solutions for enterprise clients across public services, technology, and energy, working across technical build, stakeholder engagement, and delivery.

National Postal Services Provider - Customer Churn Analytics & AI Retention Strategy | Data Science Analyst

- Independently ran exploratory data analysis and feature engineering in Python (pandas, NumPy, matplotlib) across customer datasets exceeding 200 million rows and 2GB, identifying behavioural patterns and customer segments through clustering-style analysis.
- Supported design of technical requirements for a churn-prediction model on inherently imbalanced customer data, defining features and predictive modelling scope alongside the AI solution design.
- Built scalable, reproducible analytical workflows on Google Cloud Platform (GCP Jupyter Workbench) to process large datasets efficiently through structured notebook development.
- Designed and delivered interactive Power BI dashboards to 15+ senior stakeholders and presented findings through executive playback sessions, earning client commendation for translating statistical analysis into clear, non-technical business recommendations.
- Created a reusable Customer Churn Analytics Playbook and a Data Assessment Matrix scoring 10+ datasets (100M+ rows) for quality, coverage, and predictive-modelling suitability.

Multinational Technology Corporation - Marketing Analytics & Financial Transformation | Technical Data Analyst

- Analysed and reconciled large-scale financial datasets (2,000+ records, \$1bn+ in value) using SQL and automated reporting pipelines, ensuring accuracy across EMEA, APAC, and AMER regions.
- Investigated complex enterprise database schemas (10+ tables), relationships, and data lineage, strengthening SQL query design and root-cause diagnosis of data discrepancies.
- Identified and corrected significant reporting errors, including an \$872k misallocation and ~\$250k of expenditure discrepancies, and authored validation standards that reduced recurring data quality issues.

Global Energy Company - Data Migration & Digital Platform Transformation | PMO & Data Analyst

- Designed and owned an automated Requirements Dispositioning Matrix reconciling 5,000+ business requirements using Power Query, removing ~7 hours/week of manual data preparation.
- Owned executive reporting and governance artefacts on a £100m+ SAP S/4HANA data migration, translating technical progress into leadership-ready insights.

ACADEMIC TECHNICAL PROJECT

Multimodal Neural Network Classifier with Explainable AI for Alzheimer's Disease Diagnosis - BSc Dissertation (83%)

- Designed, trained, and evaluated a multimodal neural network classifier, applying explainable AI (XAI) techniques to interpret model predictions and validate clinical relevance - with direct grounding in statistical modelling, classification, and interpretability methods.

EDUCATION

University of Bath - BSc (Hons) Computer Science with Industry Placement: First-Class Honours, 77%

East Barnet School and Sixth Form

A-Levels: Mathematics (A*), Computer Science (A*), Biology (A*), Extended Project Qualification (A). 11 GCSEs (9999999988A*)

LEADERSHIP, COMMUNITY & CERTIFICATIONS

- Active lead on the AI & Data Events & Engagement Team, owning organisation and logistics of monthly practice Townhalls (250+ attendees/year). Led planning and delivery of regular events as part of the Early Talent Committee including an Analyst Training Bootcamp and Leadership Fireside chats (50+ attendees); recognised by seniors as a key organiser and trusted contributor.
- Google Generative AI Leader Certified; Stanford 'Reinvention with Agentic AI' Certified. Applies GenAI tools (Claude Code, ChatGPT, Gemini, Copilot, Perplexity) to accelerate Python/SQL development and analysis - saving an estimated 15 hours/week.