

Abhishek Kumar

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PROFILE

Data Scientist & Analyst with 4+ year's experience across Analytics & Software Development experience) with an MSc in Data Science & Analytics (Distinction, Cardiff University). Skilled in **Python, SQL, BI dashboards, ETL pipelines, and machine learning**, with proven ability to deliver measurable business outcomes, including a **15% sales uplift** and **40% efficiency gain** through dashboard reporting. **Experienced in predictive modelling, NLP, Generative AI, and risk forecasting**, with a track record of extracting business-critical insights from both structured and unstructured data.

EDUCATION

MSc Data Science & Analytics (Distinction) – Cardiff University, UK (Sep 2023 – Dec 2024)
B.Tech Computer Science & Engineering (First Class) – AKTU, India (Aug 2016 – Sep 2020)

KEY SKILLS

- Programming & Analytics:** Python (pandas, NumPy, scikit-learn, TensorFlow, PyTorch), R basics, A/B Testing
- Databases & SQL:** PostgreSQL, MySQL
- ETL & Data Pipelines:** PySpark, data wrangling, validation, cleansing, job scheduling
- Machine Learning & AI:** Regression, classification, forecasting, anomaly detection, NLP, BERT embeddings, LLMs, Hugging Face, prompt engineering, FastAPI deployment
- Business Intelligence & Visualisation:** Power BI, Tableau, Excel (advanced), data storytelling, Reporting
- Cloud & Tools:** AWS, Microsoft Azure (basics), Git/GitHub, Docker, CI/CD familiarity
- Professional:** Stakeholder management, agile (Scrum, Jira), data governance (GDPR), cross-team collaboration

RELEVANT EXPERIENCE

Data Analyst (Part-Time) | Euroclick Ltd, Cardiff, UK (Mar 2024 – Present)

- Designed and maintained **Power BI dashboards**, boosting sales by **15%** and reducing stock inefficiencies by **40%**
- Wrote and optimised **SQL queries** to extract, validate, and cleanse retail datasets
- Partnered with sales and marketing teams to define data requirements and deliver actionable insights

SDE – Payments & Data Processing | Kissht, Mumbai, India (Jan 2023 – Sep 2023)

- Developed microservices for payments & disbursements, **improving transaction processing** speed by **20%**
- Integrated APIs from banks/PSPs (Yes Bank, RazorpayX, Cashfree) for real-time financial data handling
- Optimized MySQL-based services for **high-volume data pipelines**, enhancing reliability and compliance reporting

Data Analyst | Cedcross Technologies, Lucknow, India (Jan 2020 – Jan 2023)

- Analysed customer/order data across **20+ e-commerce** marketplaces, surfacing trends to reduce refund-related queries
- Automated reporting workflows with MySQL & Python, minimizing manual tasks and improving data accuracy
- Facilitated integration of **20+ platforms** while embedding analytics into operational decision-making

PROJECTS

- Gen AI Log Classifier:** Built a pipeline with **Regex, BERT embeddings, LLaMA LLM**, and **Logistic Regression** to classify system logs. Deployed via **FastAPI**, enabling real-time anomaly detection, cut costs by **40%** and boosting resource efficiency
- Energy Usage Prediction:** Developed **ML models (Random Forest, LGBM)** achieving **>90% accuracy**, supporting residential energy planning
- River Flow Forecasting (Dissertation):** Forecasted daily river flows using regression, Neural Network, and anomaly detection for environmental risk with **96%+ accuracy**
- AI Chatbot (Dialogflow, GCP):** Created NLP-driven for Restaurant with SQL backend, **automating 95% of queries and reducing support workload by 80%**
- E-commerce Sales Dashboard:** Designed real-time KPI dashboards on sales and customer behaviour, **cutting manual reporting time by 70% and enabling faster decision-making**

ACHIEVEMENTS

- Certification of Appreciation** for Active participation as Campus Ambassador at the cultural festival of IIM Bengaluru
- Certificate of honour** from Indian Newspaper, (Dainik Jagran)