Abhishek Kumar

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PROFILE

Data Scientist & Analyst (1.5 years Data Analyst + 4 years 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

Software Development Engineer (Fintech) | Kissht, Mumbai, India   *(Jan 2023 – Sep 2023)*
- Developed **fraud detection models** in Python and SQL, improving compliance reporting by **20%**
- Integrated APIs for real-time financial data processing, enhancing risk management
- Collaborated with product managers to troubleshoot pipelines and improve data quality

Software Developer | Cedcoss Technologies, Lucknow, India   *(Jan 2020 – Jan 2023)*
- Built and maintained integrations for **20+ e-commerce marketplaces** (Amazon, eBay, Walmart)
- Conducted **customer behaviour analysis** using MySQL, supporting portfolio performance improvements
- Automated reporting workflows, minimized manual tasks and increasing data accuracy

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)