

# ABHISHEK KUMAR

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## SUMMARY

Seeking Data Science & Analyst role with an MSc in Data Science & Analytics (**Distinction, UK**) and **1.5 year in data analytics and 4 years in software development experience**. Proficient in **Python, R, SQL, Tableau, and Power BI**, with strong skills in statistical analysis, machine learning, data visualization and Model Deployment. Experienced in analyzing complex datasets, building models, and collaborating with cross-functional teams to deliver actionable insights. Use advanced analytics and real-world data to design models and dashboards that improve decision-making and deliver actionable business insights.

## EDUCATION

MSc in Data Science & Analytics , Distinction | Cardiff University, United Kingdom

SEPT 2023 – SEPT 2024

- **Modules:** Machine Learning, Data Visualization, Data Science & Statistics , Time Series Analysis, Credit Risk Analysis
- **Dissertation Thesis :** Demonstrated research and optimized multivariate ML models with advanced preprocessing to forecast river flow using real-world gauge data.

B. Tech in Computer Science & Engineering, 1st | Dr APJ Abdul Kalam Technical University, India

AUG 2016 – JAN 2020

- **Modules:** Machine Learning, Database Management, Python Programming, Cloud Computing

## PROFESSIONAL EXPERIENCE

Data Analyst | Euroclick Ltd | Part-Time | Cardiff, UK

Mar 2024 – May 2025

- **Analyzed large e-commerce sales datasets** using Python, SQL, and Power BI to identify trends, boosting sales by 15%.
- **Introduced dashboards and visualizations to track KPIs**, reducing stockouts by 20% and overstock by 10%.
- Collaborated with sales & marketing teams to design data-driven inventory and promotional strategies.

Software Development Engineer | Kissht | Mumbai, India

JAN 2023 – SEPT 2023

- Designed and maintained scalable payment processing systems, improving transaction speed by 20%.
- Built secure services to **manage large-scale financial datasets using Python & MySQL**.

Software Developer | Cedcross Technologies | Lucknow, India

JAN 2020 – JAN 2023

- Authored and maintained marketplace integrations (eBay, Amazon, Walmart, Onbuy) supporting 20+ platforms.
- **Conducted data analysis on customer behavior**, inventory, and order data to derive insights.
- **Created and optimized ETL processes** for inventory and order management systems.

## PROJECTS

- **Credit Risk Modeling :** Formulated **logistic regression model** Increased default prediction accuracy by 90%, enabling better lending decisions; applied feature selection using Chi-square and Information Value.
- **LLM-based Log Classification System:** Crafted **hybrid model (Regex + Sentence Transformers + Logistic Regression + LLMs)** achieving 40% higher accuracy and 30% lower costs by automating log analysis; deployed via FastAPI REST API.
- **Energy Usage Prediction** – Created **ML pipeline** (Linear Regression, Random Forest, Neural Networks) predicting household energy use with more than 90% accuracy, supporting energy-saving recommendations.
- **Emergency Ambulance Crew Scheduling Forecast:** Designed a **forecasting model with 98% accuracy**, reducing scheduling errors by 20% and Enhanced emergency response efficiency; compared LR, SES, Holt-Winters, and ARIMA.

## SKILLS

- **Programming & Scripting:** Python, SQL, R (Basic)
- **Data Science & Machine Learning:** Statistical Analysis, Prediction & classification, Time Series Forecasting, NLP, LLMs, Feature Engineering, Model Optimization, Data Cleaning & Preprocessing, A/B Testing
- **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn
- **Tools & Platforms:** AWS, Git, Docker, MLflow, PySpark, FastAPI, Scikit-learn, TensorFlow, Jupyter Notebook,
- **Achievement:** Python Programming (5-Star – Hacker Rank)