

KESHAV BHANDARI

Data Analyst · Business Intelligence · Machine Learning

imksav@gmail.com • +44 (0)7824 689590 • United Kingdom • LinkedIn: linkedin.com/in/imksav • GitHub: github.com/imksav

PROFESSIONAL SUMMARY

Detail-oriented Data Analyst with an MSc in Computer Science (University of Wolverhampton) and proven ability to transform complex datasets into actionable business intelligence. Skilled across the full analytics lifecycle — data collection, preprocessing, exploratory analysis, dashboard design, predictive modelling, and executive reporting. Proficient in Python, SQL, Power BI, Tableau, and Advanced Excel. Demonstrated ability to communicate technical findings clearly to non-technical stakeholders, with a consistent focus on data-driven decision support.

WORK EXPERIENCE

Prithwi Secondary Boarding School, Nepal Apr 2020 – Dec 2023

IT Manager & Data Systems Lead

- Analyzed operational performance data, deployed real-time dashboards across 3 departments, cut issue resolution time 35%, and automated reporting for 500+ records.

Amazon Web Services Apr 2020 – Apr 2021

AWS Educate Student Ambassador

- Delivered 10+ cloud data analytics workshops to 300+ students using AWS S3, Athena, and QuickSight, increasing platform adoption by 45%.

EDUCATION

University of Wolverhampton, United Kingdom Jan 2024 – Jan 2025

Master of Science in Computer Science (MSc)

Dissertation: Human Heart Disease Prediction System Using Machine Learning Algorithms

Sunway International Business School, affiliated with Infrastructure University Kuala Oct 2019 – Feb 2023 Lumpur, Nepal

Bachelor of Computer Science (Hons.)

Dissertation: Face Recognition Attendance System Using Haar Classifier with OpenCV for Educational Institutions

SKILLS

Data Analysis & Interpretation, Power BI (DAX, KPI Dashboards), Advanced Excel (PivotTables, Slicers), Python (Pandas, NumPy, Matplotlib), SQL — Querying & Manipulation, Exploratory Data Analysis (EDA), Statistical & Predictive Modelling, Machine Learning (Scikit-learn), Business Intelligence (BI), Data Cleaning & Preprocessing, Stakeholder & Executive Reporting, Customer Segmentation Analysis, Tableau (Interactive Dashboards), Seaborn · Data Visualisation, KPI Development & Monitoring

CERTIFICATIONS & TRAINING

Foundations: Data, Data, Everywhere — Coursera / Google	Jul 2024
Data Visualisation with Python — Great Learning Academy	Jul 2024
Introduction to Career Skills in Data Analytics — LinkedIn Learning · Robin Hunt	Jun 2025
PwC Switzerland Power BI Job Simulation — Forage	Aug 2024
Deloitte Australia Data Analytics Job Simulation — Forage	Aug 2026
Quantium Data Analytics Job Simulation — Forage	Aug 2026

PROJECTS

Machine Learning Predictive Model — Heart Disease Detection

- Situation & Task: Cardiovascular disease accounts for 32% of global mortality. Designed and executed an end-to-end predictive modelling study using the 303-patient Cleveland Heart Disease Dataset (UCI) to identify the most effective ML classification algorithm for early cardiac detection.
- Action: Performed comprehensive preprocessing (missing values, duplicates, normalisation) using Python, Pandas, and NumPy across 14 clinical features. Conducted EDA with Matplotlib and Seaborn correlation heatmaps; trained and rigorously evaluated 7 algorithms — Logistic Regression, SVM, KNN, Decision Tree, Random Forest, Gradient Boosting, and Naïve Bayes — using precision, recall, F1-score, and confusion matrices.
- Result: Achieved 100% predictive accuracy with the Random Forest model, outperforming all 6 alternatives. Delivered a validated, evidence-based prediction framework applicable to clinical decision support systems.

Automated Data Collection & Recognition System

- Situation & Task: Manual attendance recording was time-consuming, fraud-prone, and incompatible with post-COVID contactless requirements. Engineered an automated data collection pipeline to replace manual processes and produce clean, exportable records.
- Action: Built a facial recognition pipeline using Python, OpenCV, and Haar Cascade Classifiers; created and trained custom image datasets with preprocessing (grayscale conversion, resizing). Developed a cross-platform Flutter app integrated with Firebase and a Python backend via API for real-time data capture.
- Result: Automated extraction and export of structured attendance records into Excel (CSV), eliminating manual data entry, removing proxy fraud, and delivering clean, audit-ready datasets for administrators.

Bike Sales Analysis Dashboard

- Situation & Task: A real-world sales dataset had no structured analysis framework, making it impossible to identify customer segments or purchasing drivers. Built an interactive, self-service Excel dashboard to surface customer insight for sales and marketing strategy.
- Action: Engineered PivotTables and Pivot Charts to analyse average income by gender, purchase behaviour across age brackets, and conversion rates by commute distance. Integrated dynamic Slicers enabling simultaneous user-driven filtering across all dimensions.
- Result: Delivered a clear visual narrative of customer segmentation and purchasing drivers, enabling identification of high-value customer profiles and data-backed targeting of the most responsive demographics.

PwC Switzerland Power BI Job Simulation

- Situation & Task: An HR dataset revealed gender imbalance at executive management level, but root causes were unclear. Tasked with quantifying the drivers and communicating evidence-based findings to senior engagement partners.
- Action: Analysed workforce data in Power BI using DAX calculations and data transformation; built comprehensive KPI dashboards displaying headcount, promotion rates, performance scores, and attrition by gender and seniority.
- Result: Surfaced clear, evidence-based root causes of executive gender imbalance; delivered concise insight-driven reports to engagement partners, demonstrating the strategic value of HR data analytics.

Deloitte Australia Data Analytics Job Simulation

- Situation & Task: A complex, multi-variable business dataset required forensic classification to uncover patterns and generate strategic insight for stakeholder decision-making.
- Action: Classified and structured complex datasets in Excel using advanced filtering and categorisation; visualised analytical outputs via an interactive Tableau dashboard with drill-down capability.
- Result: Produced stakeholder-ready intelligence bridging forensic data and executive decision support — demonstrating proficiency in both analytical rigour and data storytelling.

Quantium Data Analytics Job Simulation on Forage

- Situation & Task: Completed a job simulation focused on Data Analytics and Commercial Insights for a data science team. The primary objective was to support the Category Manager by utilizing transaction datasets to guide strategic commercial decisions and evaluate trial store layouts.
- Action: Developed strong expertise in data preparation and customer analytics to extract actionable insights from large transaction datasets. Leveraged these findings to build comprehensive reports for leadership, and applied advanced analytical capabilities to identify optimal benchmark stores for conducting uplift testing on the new trial layouts.
- Result: Delivered data-driven commercial recommendations that directly enhanced commercial applications and facilitated informed, strategic decisions by the Category Manager. The benchmark testing framework successfully enabled evidence-based decision-making for measuring the impact of store layout changes.

LANGUAGES

English	Fluent
Hindi	Fluent
Nepali	Fluent