

AKSHAY SHETTY

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SUMMARY

Aspiring Data Analyst/Data Scientist with hands-on experience in Python, SQL, Power BI, and machine learning through internship and multiple real-world projects. Strong in data cleaning, EDA, statistical analysis, and building predictive models. Experienced across healthcare, e-commerce, and marketing datasets. Seeking an entry-level role to apply analytical skills and contribute to data-driven decision making.

SKILLS

Programming & Analytics : Python (Pandas, NumPy), SQL, Excel, Statistics, A/B Testing, Feature Engineering, EDA, Hypothesis Testing

Machine Learning : Regression, Classification, Clustering, PCA, Logistic Regression, Random Forest, XGBoost, Voting Classifier, Model Evaluation (Accuracy, F1, Recall, RMSE)

Visualization & BI Tools : Power BI, Matplotlib, Seaborn, Streamlit

Databases & Tools : MySQL, Git/GitHub, Jupyter Notebook, Google Colab, VS Code

Soft Skills : Analytical Thinking, Problem Solving, Business Communication, Team Collaboration

EXPERIENCE

Data Science Intern — Learnbay | Bengaluru (Remote) | Sep 2024 – Jul 2025

- Worked on 5+ guided industry projects involving supervised and unsupervised ML techniques.
- Applied EDA, preprocessing, and feature engineering to datasets ranging from 10K to 500K+ rows.
- Improved model accuracy by 15–20% through advanced data cleaning and statistical transformations.
- Built dashboards and visual reports using Power BI for healthcare, retail, and finance use cases.
- Developed and deployed ML models achieving up to 92% prediction accuracy on real-world datasets.
- Practiced end-to-end workflows including problem framing, data preparation, modeling, tuning, and deployment.

PROJECTS

Customer Segmentation & Personalized Marketing (Clustering + BI) | Sep 2025 – Oct 2025

Tools: Python, Pandas, Matplotlib, Scikit-learn, Power BI

- Processed 500K+ e-commerce transactions, performed extensive EDA, and engineered RFM + behavioral features.
- Conducted K-Means clustering ($k=4$) evaluated using Elbow and Silhouette methods.
- Applied PCA to visualize principal components and behavioral patterns across customer segments.
- Designed a multi-page Power BI dashboard (Overview, Behavior, Revenue Trends, Segment Profiles).
- Delivered targeted strategies for VIP, inactive, and new customers improving marketing personalization.

Chronic Kidney Disease Prediction (ML Classification) | Aug 2025 – Sep 2025

Tools: Python, Pandas, NumPy, Scikit-learn, Streamlit

- Cleaned and preprocessed a clinical dataset of 400 patient records using median/mode imputation, outlier handling, and one-hot encoding across 26 medical features.
- Experimented with Logistic Regression, SVM, Random Forest, XGBoost, KNN, and ensemble methods.
- Designed a 7-model Voting Classifier improving predictive robustness across feature distributions.
- Achieved 95% test accuracy and 98% recall for CKD detection—prioritizing sensitivity for critical cases.
- Built and deployed an interactive Streamlit app enabling real-time CKD prediction for hospital use.

Marketing Campaign Analysis (SQL + Power BI) | Dec 2024 – Jan 2025

Tools: SQL, Power BI

- Built SQL queries and optimized transformations on 50K+ customer and product records.
- Evaluated campaign performance using CTR, conversion rate, and engagement trends.
- Conducted sentiment, time-series, and geographic analysis to uncover behavioral insights.
- Developed Power BI dashboards to visualize reach, efficiency, and ROI for marketing teams.

HACKATHON EXPERIENCE

Smart India Hackathon 2025 – “Sanchari Saathi”

- Created an intelligent commuter companion concept for semi-urban bus routes.
- Designed modules for GPS-based real-time tracking, dynamic passenger analytics, and predictive crowd modeling.
- Shortlisted Top 45 out of 150+ teams in the internal college round for innovation in sustainable mobility.

EDUCATION

B.E., Computer Science & Engineering

Mangalore Institute of Technology & Engineering (2022 – 2026)

CGPA: 8.25

Senior Secondary (12th) — Rotary PU College, Moodbidri (2020 – 2022)

Percentage: 92.67

Secondary (10th) — St. Thomas English Medium High School, Moodbidri (2019 – 2020)

Percentage: 94.24

CERTIFICATIONS

- Statistics & Machine Learning for Data Science — Learnbay
- Python for Data Science — Learnbay
- SQL & MongoDB — Learnbay
- Tableau & Power BI — Learnbay
- Advanced Excel — Learnbay

ADDITIONAL INFORMATION

Languages: English, Kannada, Hindi

Interests: Chess, Yakshagana, outdoor activities