Madhura Bashini. M. S

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SUMMARY

Aspiring **Data Scientist** with a strong foundation in **Python, SQL, and Machine Learning**. Passionate about leveraging data-driven insights to solve real-world problems. Experienced in **data visualization, web development (Django), and machine learning**. Looking to contribute analytical skills and innovative solutions to impactful projects.

SKILLS

Data Visualization: Seaborn, Matplotlib
Programming Languages: Python (NumPy, Pandas), SQL
Machine Learning & Data Analysis: Scikit-learn, Data Preprocessing, Exploratory Data Analysis (EDA)
*Databases: My*SQL
Web Development: Django

EDUCATION

Amrita Vishwa Vidyapeetham (2022-2027); Integrated M.Sc. Data Science; GPA: 9.23/10
The Indian Public School (2020-2022); Grade XII: 95.8%
The Indian Public School (2018-2020); Grade X: 96.8%

PROJECTS

Sales Data Analysis & Profit Prediction Model *Link to project*
- Collected a real-world retail dataset from a store in Erode to predict product profit.
- Performed feature engineering, encoding, and GridSearchCV tuning.
- Used SHAP analysis to provide actionable business recommendations.
- Tech stack: Python, Scikit-learn, Pandas, Matplotlib.

Electricity Bill Payment Software
- Built a Django web app for electricity bill payments with secure user/admin login and MySQL database integration.
- Enabled users to view transaction history and pay bills via a responsive interface.
- Tech stack: Django, SQL, HTML, CSS.

Project: Olist E-Commerce Analytics (SQL + Power BI) *Link to project*
- Designed a complete end-to-end analytics pipeline using PostgreSQL and Power BI on 100k+ e-commerce transactions.
- Built advanced SQL queries (window functions, CTEs, anomaly detection, RFM, CLV) to analyze customers, sellers, and delivery performance.
- Developed a Power BI dashboard suite with star-schema modelling and DAX measures (Revenue, CLV, Delivery Days).
- Tech stack: SQL, PostgreSQL, Power BI, DAX, Data Modelling.

CERTIFICATIONS
- Introduction to Statistics (Coursera)
- Machine Learning Specialization (DeepLearning.AI, Stanford University)
- Complete SQL Masterclass(Udemy)