HARSHVARDHAN SINGH

Data Analyst — Mumbai, India

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PROFILE

Data analyst working with Python, SQL, and Power BI to explore data, build analytical models, and communicate what the numbers reveal. Projects span financial operations, retail marketing, e-commerce data infrastructure, and database reliability — with an emphasis on analysis built on a foundation you can trust.

SKILLS

Python
Pandas / NumPy

SQL
PostgreSQL / Window functions

Power BI
Dashboards / Reporting

Machine learning
Scikit-learn / Clustering

Forecasting
Prophet / Statsmodels

Customer analytics
RFM / CLV / Cohorts

PROJECTS — GITHUB.COM/CRYPTEDBLADE

Financial Operations Analytics — Python, Power BI, Scikit-learn, Prophet
Five years of simulated SaaS data. Revenue forecasting, churn prediction, and customer clustering — with an emphasis on finding and fixing data leakage. Paired with a five-page Power BI dashboard.

Retail & Marketing Analytics — Python, Pandas, Power BI, Jupyter
Analysis of 10,000 retail orders connecting RFM segmentation, customer lifetime value, and cohort retention to practical business recommendations.

E-Commerce Data Warehouse — PostgreSQL, SQL, Python, Power BI
Raw e-commerce data transformed into a star schema: one fact table, four dimensions, a validated ETL pipeline, and a connected BI dashboard.

PostgreSQL ACID Transaction Ledger — PostgreSQL, Python, SQLAlchemy, Psycopg2
A bank-style fund transfer system that tests atomicity, consistency, isolation, and durability through concurrent transaction experiments.

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