ANMOL KIRTIWARDHAN

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PROFESSIONAL SUMMARY

Data and Business Analyst skilled in SQL, Python, and Power BI, with experience delivering ML-driven solutions and real-time Streamlit apps. Strong in EDA, feature engineering, and interpreting large datasets (1M+ rows) to generate insights and support predictive decision-making in business environments.

EDUCATION

B.Tech Computer Science Engineering, Gautam Buddha University	Expected 2026
Class 12 (CBSE), Global Indian International School	2020 − 2022
Class 10 (CBSE), Chinmaya Vidyalaya	2008 − 2020

SKILLS

Languages:	Python, SQL (MySQL, SQLite)
Libraries:	Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
BI Tools:	Power BI, Tableau, Excel, Streamlit
Dev Tools:	PostgreSQL, MySQL Workbench, Jupyter Notebook, Google Colab, VS Code
Cloud:	Microsoft Azure, AWS
Soft Skills:	Critical Thinking, Problem Solving, Data Communication, Attention to Detail

PROJECTS

PaySim Fraud Analysis – SQL-Based Data Exploration - Summary: GitHub

- Analyzed 6.3M transactions; uncovered ₹12B fraud losses and advised monitoring 6–11PM (₹4B stolen), ₹10M+ transfer alerts, and stricter controls on TRANSFER/CASH-OUT.
- Identified 8.2K frauds (0.13% rate), ₹6.06B via TRANSFER; revealed mule receivers and low-trigger behavior.
- Built SQL rules (`is suspicious`, `is zero balance`) to flag ₹5.26B fraud across 1.3K+ transactions; validated with edge-case scenarios.

Loan Default Prediction – XGBoost & Streamlit - Summary: GitHub   Live App

- Processed 1.3M+ loans; default risk increased with loan ₹12L, FICO<660 (4×), DTI>35%, 60-month terms (2×), and vacation/small biz purposes (3×).
- Built XGBoost (64.2% accuracy, 67% recall, 0.43 F1) with `scale_pos_weight` for imbalance handling; recall-focused optimization.
- Deployed Streamlit app with dynamic inputs to predict default probability and repayment status.

Telco Customer Churn Prediction – Logistic Regression & Streamlit - Summary: GitHub   Live App

- Analyzed 7K+ customer records; churn ~55% for monthly plans (vs 2% in 2-year), 50%+ for <6-month tenures, and 3× higher without tech support.
- Engineered features like `tenure_group`, `multi_service`, `high_value_user`; trained models (~84% accuracy, 0.81 F1).
- Deployed a Streamlit app for churn prediction with real-time user inputs and risk-level outputs.

EXTRA-CURRICULAR ACTIVITIES

- Participated in cultural and technical college events to strengthen collaboration and communication.
- Attended webinars and workshops on career development, communication, and data literacy.

CERTIFICATIONS AND TRAINING

- Introduction to Business Intelligence – Infosys (View Certificate)
- Introduction to Data Science - Infosys (View Certificate)