Drupad Muthyala

Business Analyst (Tech) | Data & BI Analyst | SQL - Power BI - Tableau - Advanced Excel - Python

- Hyderabad, India (Willing to Relocate) | **Email:** drupadkumar45@gmail.com **| Phone:** +91 97000 14376
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Professional Summary

Google-certified Data Analyst and Business Analyst with 4+ years of cross-domain experience in banking, insurance, finance, and operations. Skilled in SQL, Python, Power BI, Tableau, and Advanced Excel with a strong ability to convert business requirements into analytical insights. Experienced in dashboard development, BI reporting, statistical analysis, data modeling, and process optimization. Proven expertise in fraud analytics, AML/KYC, customer insights, KPI tracking, and driving data-based decision-making for business growth.

Skills

Technical Skills

- SQL (Joins, CTEs, Window Functions, Query Optimization)
- Power BI (Data Modeling, DAX, Power Query, Row-Level Security)
- Tableau (Calculated Fields, Parameters, Dashboards)
- Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn)
- Advanced Excel (Pivot Tables, Power Query, Power Pivot, Lookups, Macros)
- ETL & Data Pipelines (Data Cleaning, Transformation, Scheduling)
- Databases: PostgreSQL, SQLite

Business & Analytics Skills

- Business Intelligence Reporting - Dashboard Development - KPI Tracking - Forecasting
- Requirements Gathering - Stakeholder Management - User Stories - Agile
- Data Cleaning - EDA - Statistical Analysis - Reporting Automation
- BFSI Analytics: Credit Risk, Loan Portfolio Analysis, KYC/AML, Fraud Monitoring

Professional Experience

MedTourEasy　　　　　　　　　　　　　　　　　　　　　　　　　　　**Aug 2025**
Data Analyst Trainee　　　　　　　　　　　　　　　　　　　　　*Hyderabad, India*

- Developed a **predictive analytics project** titled "Predict Blood Donations" using statistical modeling and data preprocessing techniques.
- Performed **EDA, feature engineering, and model evaluation** using tools such as Python, Pandas, NumPy, Matplotlib /Seaborn, and Scikit-Learn to forecast donor behaviour.
- Gained hands-on experience working in a real analytics workflow, collaborating with the team, documenting insights, and delivering an end-to-end analytical solution

ICICI Prudential　　　　　　　　　　　　　　　　　　　　　**Jul 2024 – Jun 2025**
Agency Manager　　　　　　　　　　　　　　　　　　　　　　*Hyderabad, India*

- Analyzed **transactional and customer data across savings, investment, and insurance portfolios** to identify trends, anomalies, and fraud risk indicators.
- Performed **data verification, transaction monitoring, and compliance checks (AML, KYC, CDD)** ensuring 100% audit accuracy.
- Analyzed transactional and customer data using **SQL and Excel to optimize segmentation**, contributing to a 5% YoY increase in customer base.
- Collaborated with underwriting, risk, and operations teams to **validate data accuracy** and resolve discrepancies.
- Supported customer onboarding by validating documents and ensuring regulatory adherence.

Eashan F&B　　　　　　　　　　　　　　　　　　　　　　　**Oct 2021 – Jul 2022**
Business Lead　　　　　　　　　　　　　　　　　　　　　　　*Hyderabad, India*

- Used Excel & Power BI to analyze **sales, inventory, and customer data**, optimizing pricing & promotions, resulting in **100% growth in sales**.
- Conducted financial analysis that reduced operational cost by **10%** and improved margins by **20%**.
- Built dashboards to track daily sales, customer footfall, and product performance.

HDFC Bank   **Aug 2018 – Aug 2021**
Sales Officer   *Hyderabad, India*

- Performed **customer profiling, transaction analysis, and CASA growth analytics** using Excel & internal dashboards.
- Conducted **AML, KYC, CDD compliance analytics** to identify irregular transaction patterns and reduce fraud risk.
- Built MIS reports and dashboards to track branch performance.
- Supported data validation during onboarding and operations.

Projects

Music Store SQL Analysis | Tools: SQL (PostgreSQL/SQLite)

Problem: Understand customer behaviour, revenue patterns, and genre/artist performance for strategic decision-making.
Solution: Performed SQL-based analysis using joins, CTEs, subqueries, and aggregations to derive customer, revenue, and music preference insights from the Chinook database.
Outcome: Identified top customers, highest-revenue cities, popular genres/artists, and country-level trends, supporting targeted marketing, customer segmentation, and revenue optimization.

Credit Card Fraud Detection Model | Tools: Python, Pandas, NumPy, Scikit-learn, XGBoost, SMOTE, Matplotlib, Seaborn

Problem: Detect fraudulent credit card transactions in a highly imbalanced dataset of 6M+ records.
Solution: Built an end-to-end ML pipeline using SMOTE for class balancing and trained advanced models like XGBoost to identify hidden fraud patterns.
Outcome: Achieved ~99% ROC-AUC, enabling high-precision fraud detection and improved risk mitigation.

Loan Default Risk Analysis (EDA) | Tools: Python, Pandas, NumPy, Matplotlib, Seaborn

Problem: Identify key financial and behavioural factors influencing loan default.
Solution: Conducted EDA using heatmaps, trend analysis, segmentation, and correlation studies to uncover default-driving patterns.
Outcome: Generated insights that strengthened credit assessment decisions and reduced risk exposure.

Certifications & Accomplishments

- **Google Data Analytics Professional Certificate** (Data Cleaning, SQL, R/Spreadsheets, Dashboards) | Aug 2025.
- Certificate of Accomplishment in **SQL** issued by HackerRank | June 2025.
- Certificate of Accomplishment in **Python** issued by HackerRank | May 2025.
- Certified **Generative AI** Foundation Program, issued by UpGrad in collaboration with **Microsoft** | May 2025.
- Attended **Technical Workshop on Data Science** | Remark Skill in Association with FCC, **IIT Hyderabad** | Nov 2024.
- Completed a job simulation with **Deloitte**, developing skills in **Data Analytics and Visualization** | Forage | Mar 2025.

Education

International Institute of Information Technology Bangalore (IIIT-B)   **May 2024 – Jun 2025**
Post graduation Programme in Data Science | GPA: 3.64 Out of 4
(Data Visualization, SQL, Machine Learning, Statistics, Business Intelligence)