

Drupad Muthyala

Data Analysis | Business Intelligence (BI)

- Hyderabad, India (Willing to Relocate) | Email: drupadkumar45@gmail.com | Phone: +91 97000 14376
LinkedIn: linkedin.com/in/drupadkumar | Portfolio: drupadkumar.github.io

Professional Summary

Tech professional with 6+ years of overall experience in Banking and Financial Services (BFSI) and data analytics, specializing in banking analytics, AML/KYC compliance, fraud monitoring, and business reporting. Skilled in **SQL, Power BI, Python, Tableau, and Advanced Excel** for data analysis, dashboard development, data visualization, and reporting automation. Proven experience in building and publishing **interactive dashboards**, delivering actionable insights, and demonstrating **end-to-end BI ownership** to support data-driven decision-making.

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 Analysis, Data-driven Decision Making, Data Interpretation and Actionable Business Insights
- Business Intelligence Reporting - Dashboard Development - KPI Tracking – Forecasting
- Data Quality & Governance – Data Validation, Reconciliation, Exception Reporting
- Requirements Gathering - Stakeholder Management - User Stories - Agile
- Data Cleaning - EDA - Statistical Analysis and Data Modelling - Reporting Automation
- BFSI Analytics: Credit Risk, Loan Portfolio Analysis, KYC/AML, Fraud Monitoring
- Soft Skills: Critical thinking, Problem solving, Negotiation skills, Interpersonal Skills

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 - Data & BI Analytics

Hyderabad, India

- Built, published, and maintained **Power BI and Excel dashboards** for KPI, customer growth, and risk monitoring.
- Analyzed customer and transactional data using **SQL** and **Advanced Excel** to **identify trends, anomalies, and segmentation** opportunities, contributing to a 5% YoY increase in customer base.
- Ensured data quality, validation, and documentation for reporting accuracy and audit readiness.
- Performed **transaction monitoring and compliance analytics** (AML, KYC, CDD) to identify fraud risk indicators and ensure 100% audit accuracy.
- Collaborated with underwriting, risk, and operations teams to validate data accuracy and resolve reporting discrepancies.
- Supported customer onboarding by validating documents and ensuring regulatory adherence.

Eashan F&B

Mar 2022 – Apr 2024

Business Lead - BI & Performance Analytics

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

Hyderabad, India

Sales Officer - Banking Analytics & Compliance

- 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 Program in Data Science | GPA: 3.64 Out of 4

(Business Analytics, SQL, Machine Learning, Statistics, Business Intelligence)

Osmania University

Aug 2016 - Jun 2018

Master of Business Administration (MBA- Finance)