

STEPHEN BABU KASULA

Data Analytics Specialist | Power BI Analyst | Business Data Analyst

CONTACT DETAILS

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PROFESSIONAL SUMMARY

Results-driven Data Analyst with 4+ years of experience specializing in **Data Analytics, Visualization, and Reporting**, leveraging advanced tools and technologies to deliver impactful solutions. Proficient in **Power BI, Python, SQL, and Advanced EXCEL**, with hands-on expertise in **backend database management** using **Teradata, Oracle**. Adept at transforming complex datasets into actionable insights, automating workflows, and enhancing decision-making processes through interactive dashboards.

Key Skills & Achievements

- Developed automated **data ingestion and transformation** workflows using **Python** and **Teradata SQL**, improving fraud-detection data processing efficiency by **30%**.
- Wrote optimized **Teradata SQL** scripts and stored procedures for high-volume financial transaction data, reducing query execution time by **25%**.
- Built robust **AML rules**, threshold checks, and alert-generation logic for detecting unusual transaction patterns, improving accuracy of suspicious-activity identification.
- Designed and developed interactive **Power BI dashboards** for AML investigators, enabling real-time monitoring of transaction alerts, risk scores, and customer activity trends.
- Performed extensive **data quality checks**, anomaly detection, and reconciliation to ensure accuracy of transaction and customer datasets used for AML analysis.
- Collaborated with compliance teams to refine **Suspicious Activity Monitoring (SAM)** criteria, resulting in a **15% reduction** in false-positive alerts.
- Participated in **Agile Scrum** ceremonies, ensuring timely delivery of new features, rule updates, and enhancements requested by risk and compliance stakeholders.
- Supported root-cause analysis of AML system issues, conducted **ETL debugging**, and optimized data pipelines for higher system reliability.

PROFESSIONAL EXPERIENCE

Project Name: AML Detection Channel Platform, BANK OF AMERICA

Role: Senior Data Analyst, Infosys Limited

Duration: Nov 2022 – Present

Project Overview:

Worked on the AML (Anti-Money Laundering) Detection Channel Platform, supporting Financial Crimes investigation workflows by building scalable data pipelines, analytics models, and visualization solutions. Ensured high-quality, accurate data delivery to fraud detection teams, enabling early identification of suspicious financial activities.

Key Responsibilities & Achievements

- Developed automated data ingestion and cleansing pipelines using **Python** for high-volume **transactional data**, reducing manual processing effort by **30%** and improving data readiness for **AML models**.
- Designed and optimized complex **SQL scripts** and **Teradata queries** for identifying suspicious patterns such as unusual transaction behavior, structuring, and rapid fund movement across accounts.
- Collaborated with AML investigators to translate detection rules into **reusable SQL logic**, improving detection accuracy and reducing false positives by **15%**.
- Built interactive **Power BI dashboards** for AML operations, providing real-time insights into customer transaction flows, risk scoring, alert volumes, and investigation status.
- Improved dashboard performance by **optimizing DAX measures, Power Query transformations**, and dataset modeling, reducing

refresh time by **40%**.

- Implemented quality checks and exception handling in **data workflows**, ensuring **99%** accuracy in suspicious activity monitoring reports and regulatory submissions.
 - Worked in **Agile Sprint** cycles, coordinating with business, compliance, and technology teams to deliver enhancements on time. Addressed **JIRA** issues promptly, supporting stable and compliant AML reporting operations.
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Project Name: Dish Corporation Dash Board Management.

Role: Data Analyst, Infosys Limited

Duration: Dec 2021 – Oct 2022

Project Overview:

Developed and managed analytical solutions for **Procurement Data** and **Regular Transactions**, enabling Dish Corporation to make informed business decisions through interactive reporting and visualization.

Key Responsibilities & Achievements:

- Extracted and analyzed **procurement and transaction data** from the **Oracle database** using optimized **SQL queries**, ensuring data accuracy and reliability.
 - Implemented advanced **data transformation techniques** to clean and preprocess raw datasets, reducing data preparation time by **30%**.
 - Designed and built **interactive Power BI dashboards and reports**, providing actionable insights that improved decision-making efficiency by **20%**.
 - Automated data integration workflows to ensure timely and error-free loading of data into **Power BI**, enhancing reporting accuracy.
 - Collaborated with **cross-functional teams** to understand business requirements and align data solutions with strategic goals.
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SKILLS & COMPETENCIES

- **Data Analysis:** Data Cleaning, Transformation, and Preprocessing
- **Visualization:** Dashboards, Reporting, DAX, KPI Tracking
- **Database Management:** SQL, ETL, Oracle, Teradata
- **Cloud Technologies:** AWS, Google Cloud
- **Agile Methodology:** JIRA, Scrum
- **Automation:** Python (Scripting and Automation)
- **Business Intelligence:** Power BI, Advanced Excel

TOOLS AND TECHNOLOGIES

- **Programming Languages:** Python (Pandas, NumPy, Seaborn, Matplotlib), SQL, DAX
 - **Visualization Tools:** Power BI
 - **Databases:** Oracle, Teradata
 - **Cloud Platforms:** Google Cloud
 - **Development Tools:** PyCharm, Jupiter Notebook, Teradata Studio
 - **Version Control:** Git/GitHub
 - **Project Management Tools:** JIRA
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EDUCATION

Post Graduation in Master of Computer Applications (MCA)

Andhra Loyola College, Vijayawada

Graduated: 2021 | Aggregate: 91%

AWARDS AND ACHIEVEMENTS

- **Recognized with Insta Raise Award** for exceptional performance and contributions to the Dish Corporation project, showcasing dedication to delivering high-quality results and exceeding expectations.
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CERTIFICATIONS

- Infosys certified Power BI developer.
- Infosys Certified SQL Developer.
- Infosys Certified Python Associate.
- Google cloud certified Associate Cloud Engineer.