

# SHASHIDHA REDDY

## Data Analyst



FL, USA | +1 (352)-363-1270 | [Shashidharreddy0104@gmail.com](mailto:Shashidharreddy0104@gmail.com) | [LinkedIn](#) | [Portfolio](#)

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### SUMMARY

Data Analyst with experience in finance, compliance, and operations, specializing in SQL, Python, and Power BI. Skilled in building ETL workflows, streamlining dashboards, and improving data quality in both cloud and on-premises environments. Adept at collaborating with cross-functional teams to deliver insights that drive decision-making.

### EDUCATION

Master of Science – Computer Science, Florida International University — December 2025

Bachelor of Technology – Computer Science, Vignan Institute of Technology and Science — July 2021

### PROFESSIONAL EXPERIENCE

#### McKinsey & Company — Data Analyst | Apr 2025 – Present | FL, USA

Tech Stack: AWS Glue, Apache Spark (SQL), Redshift, Databricks, SQL, Power BI, Python

- Developed PySpark scripts processing ~1.2M records weekly to identify and track recurring data quality issues.
- Integrated multiple enterprise datasets into a unified reporting layer, resolving schema mismatches and standardizing formats.
- Designed and delivered Power BI dashboards for finance, operations, and compliance, incorporating 15+ business-defined KPIs.
- Partnered with engineers to pilot Kafka-Spark streaming pipelines, reducing analytics latency by ~90 seconds.
- Built automated data quality reports in Power BI, allowing stakeholders to track resolution progress and recurring issue trends.

#### Florida International University — Graduate Teaching Assistant | Aug 2023 – Sep 2024 | Miami, FL

Tech Stack: Power BI, SQL Server, Excel, T-SQL

- Maintained departmental Power BI dashboards, improving refresh speed by optimizing DAX measures and relationships.
- Analyzed ~1.2M student and budget records, influencing policy updates across multiple departments.
- Designed interactive dashboard features (slicers, filters, export tools) to boost student engagement.
- Delivered hands-on training sessions for 200+ graduate students on data visualization and SQL fundamentals.
- Collaborated with IT staff to standardize data model structures, reducing onboarding time for new faculty dashboard users.

#### Infosys Ltd. — Data Analyst | Aug 2021 – Jul 2023 | Hyderabad, India

Tech Stack: Python, SQL, Apache Airflow, AWS Redshift, R, Power BI

- Built and maintained Airflow pipelines for financial and operational reporting, meeting daily SLAs across multiple teams.
- Created predictive models in R for customer risk classification, improving planning for 10,000+ accounts.
- Integrated AWS Redshift with Power BI, cutting reconciliation efforts by >12 hours per cycle.
- Led data quality audits and metadata cleanup in Alation, improving lineage tracking and access controls.
- Worked closely with compliance teams to map data flows for regulatory audits, ensuring adherence to internal and GDPR policies.

## **Dell Technologies — Data Analyst (Intern → Full-Time) | May 2020 – Jul 2021 | Hyderabad, India**

Tech Stack: SSIS, Informatica, SQL Server, Azure Synapse, Power BI

- Supported daily ETL operations for telecom billing, achieving 99.9% operational success over 18 months.
- Implemented SQL validation to catch billing errors, raising invoice accuracy to 99.8%.
- Assisted in Azure Synapse migration, resolving schema mismatches and reducing refresh failures by 30%.
- Created monitoring scripts in SQL Server to flag delayed ETL jobs, improving incident response times.

## **TECHNICAL SKILLS**

**Data Analysis & BI:** Power BI, Tableau, ArcGIS, Excel (Power Query, PivotTables, Macros)

**Programming & Scripting:** Python (Pandas, Scikit-learn), SQL (PostgreSQL, T-SQL, MySQL), R, VBA

**Data Engineering & ETL:** Apache Airflow, AWS Glue, Azure Data Factory, PySpark

**Cloud & Big Data:** AWS (Redshift, EMR, Lambda, S3), Azure (Databricks, Synapse), Delta Lake

**Databases & Warehousing:** SQL Server, PostgreSQL, Oracle, Snowflake

**Data Science & Modelling:** Predictive Modelling, Data Mining, Logistic Regression, Decision Trees, Random Forest, Gradient Boosting (XGBoost, LightGBM)

**Governance & Automation:** Alation, Data Governance, Python automation scripts, VBA macros

**DevOps & Tools:** Git, Docker, REST APIs, GitHub Actions, CI/CD pipeline

**Soft Skills & Methodologies:** Agile/Scrum, Cross-Functional Collaboration, Stakeholder Communication

## **CERTIFICATIONS**

Microsoft Certified Fabric Analytics Engineer Associate (DP-600) – 2025

Google Cloud Data Analytics – 2025

Oracle Cloud Infrastructure Generative AI Certified Professional – 2024

IBM: Introduction to Cybersecurity Tools & Cyber Attacks

## **PUBLICATION**

“An Effective and Efficient Heart Disease Prediction Model Using Distributed High Performance LightGBM”,

IEEE Third International Conference on Inventive Research in Computing Applications (ICIRCA), IEEE Xplore,

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