

# Tharun Kumar Reddy Byreddy

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## PROFESSIONAL SUMMARY

Data Analyst with 3+ years of experience in business intelligence, cloud analytics, and delivering data-driven solutions. Adept at stakeholder engagement, dashboarding, and automating insights across logistics, healthcare, and supply chain domains. Skilled in Python, SQL, Power BI, AWS, and Snowflake to streamline data workflows and improve decision-making efficiency.

## SKILLS & EXPERTISE

**Data Visualization:** Power BI, Tableau, AWS QuickSight, Azure Synapse Analytics, Matplotlib

**Programming & Querying:** Python (Pandas, Numpy, NetworkX), SQL, R, PySpark

**Cloud & Data Warehousing:** AWS, Azure, Snowflake

**ETL & Reporting:** AWS Glue, Redshift, SQL-based ETL, Lambda, S3, Excel

**ML & Analytics:** Regression, Classification, Forecasting, A/B Testing, Graph Analysis, Model Deployment

## WORK EXPERIENCE

### Morgan Stanley

Remote, United States

Data Analyst

Mar 2024 – Present

- Delivered interactive Power BI dashboards using parameterized SQL queries to monitor trading volumes, market shifts, and portfolio risks in real-time across global asset classes.
- Automated ETL pipelines with AWS Glue, Lambda, and Snowflake to support audit-ready compliance reporting and enable rapid analytics for investment strategies.
- Transformed over 10 million trade entries from AWS S3 into structured datasets using Python and SQL, enhancing daily reporting and seamless access for cross-functional teams.
- Developed Scikit-learn classification models to analyze institutional client trading behavior and risk trends, empowering client strategy and segmentation efforts with data-backed insights.

### Stanford University School of Medicine

California, United States

Data Science Intern

Sep 2023 – Feb 2024

- Built Cox Proportional Hazards and Random Forest models using DHS and SRTR data to evaluate transplant outcomes, guiding clinical decision-making with evidence-based predictions.
- Conducted comprehensive preprocessing of patient data—addressing imputation, normalization, and multicollinearity—to enable clean, analysis-ready datasets for model training.
- Mapped patient relationships and organ flow using custom NetworkX pipelines, delivering powerful visualizations of recipient-donor interdependencies to clinical teams.
- Partnered with biostatisticians and transplant specialists at the Quantitative Sciences Unit to validate results, refine scoring criteria, and deliver recommendations that improved allocation fairness.

### Accenture

Hyderabad, India

Data Analyst

Jul 2021 – Aug 2022

- Created and maintained Tableau and Excel dashboards to monitor logistics KPIs, reverse logistics, and return rates, enabling proactive decision-making across global supply chain teams.
- Engineered optimized SQL pipelines to process CRM and ERP data into Azure Synapse, streamlining multi-source integration and ensuring timely, reliable business intelligence.
- Designed ARIMA and Prophet models in Python to forecast demand, mitigate inventory imbalances, and improve operational efficiency across high-volume retail networks.
- Built automated reporting frameworks with Azure Data Factory and SharePoint integration, accelerating analytics delivery and improving visibility across planning and operational units.

## EDUCATION

### San Francisco State University

San Francisco, CA

M.S. in Statistical Data Science

Aug 2022 – May 2024

GPA: 3.77/4.00

### Koneru Lakshmaiah University

Guntur, AP, India

Bachelors in Electronics & Communication Engineering

Jul 2018 – Apr 2022

GPA: 8.95/10.00