

Sruthi Vemavarapu

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EDUCATION

University of St Thomas

MS in Data Science

St Paul, MN

Expecting Graduation Date: May 2026

- **Relevant Coursework:** Data Analytics & Visualization, Data Preparation, Database management (SQL), Data warehousing (Snowflake), Python
- **Academic Focus:** Applied classroom theory to real-world datasets to ensure technical accuracy in data cleaning, database schema design, and predictive modeling.

WORK EXPERIENCE

University of St Thomas

IT Tech Desk Assistant

St Paul, MN

May 2025 – Present

- **Improved system uptime by 25%** across university labs by diagnosing and resolving hardware/software malfunctions for 500+ users.
- **Enhanced data security and user privacy** by managing access protocols and ensuring system integrity within the university network.
- **Reduced technical downtime for students and faculty** by implementing a standardized troubleshooting method using **ITSM tools** to track and resolve system errors.

Avance Consulting

Technical Recruiter & Team Lead

Hyderabad, India

February 2021 - August 2024

- **Increased team productivity by 20%** by building performance tracking dashboards and implementing data-driven sourcing strategies to meet department KPIs.
- **Optimized the talent acquisition funnel** by performing conversion rate analysis on the candidate pipeline and analyzing market salary datasets to align stakeholder expectations.
- **Transformed manual reporting into automated insights** by extracting and cleaning raw data from **Wisestep ATS** to build a real-time analytics framework in **Excel**.
- **Reduced weekly reporting cycles by 10 hours** by automating recurring data collection tasks and delegating technical workflows to improve team-wide data accessibility.

DATA PROJECTS

All projects are hosted online to provide proof of technical methodology and legitimacy.

The AI Pulse – Job Market Trends 2024–2030 | [View Project Code](#)

- **Forecasted a 30% shift toward AI-augmented roles** by conducting a comprehensive trend analysis on labor market displacement across 10 major industries.
- **Enabled strategic workforce planning** by querying large-scale labor datasets using **SQL** and designing an interactive **Tableau** dashboard to simplify complex trends.

The Financial Clock – Snowflake Analytics | [View Project Code](#)

- **Increased financial reporting speed by 40%** by architecting a "Single Source of Truth" within a **Snowflake Data Warehouse** for fiscal periods and financial logs.
- **Improved data retrieval efficiency** by utilizing **SQL** for rigorous data cleaning and complex multi-table transformations.

The Safety Net – Loan Predictive ML | [View Project Code](#)

- **Achieved an 88% accuracy rate in predicting loan defaults** by developing a classification model to identify high-risk applicants before approval.
- **Optimized model reliability** by performing end-to-end data preparation and feature engineering using **Python (Scikit-Learn)**.

The Walmart Win – Sales Analytics | [View Project Code](#)

- **Identified a 12% revenue growth opportunity** by isolating underperforming departments and correlating performance with holiday peak cycles.
- **Streamlined executive reporting** by building an automated dashboard using **Excel Pivot Tables and Power Query** to visualize seasonal sales demand.

SKILLS

Tools: Microsoft Office (Excel (Power Query, Pivot Tables, VLOOKUP), PowerPoint, Word, Outlook, Teams.)

Data Analysis: Power BI, Tableau, SQL, Python

Technical Support: Windows/macOS, Hardware/Software Troubleshooting, MFA, ITSM Tools, Wise step ATS.