

# Snehith Reddy Kathi

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## WORK EXPERIENCE

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### Technical Analyst @MySapgroup LLC

Dallas, TX | July 2023 - May 2024

- Conducted financial analysis for a mid-sized consulting firm, efficiently managing and analyzing **millions of financial transactions**.
- Extracted and transformed (**ETL**) financial datasets from multiple sources, ensuring **data integrity** and **scalability** for analysis.
- Developed **data model** and a relational database schema using **T-SQL**, **optimizing** queries for better **data warehousing**.
- Applied data cleaning and preprocessing techniques, including **handling missing data**, **outlier detection**, and feature engineering.
- Conducted Exploratory Data Analysis using statistical methods, uncovering **budget allocation insights**.
- Developed interactive **Tableau dashboard** for comprehensive data exploration and effective insights **communication to stakeholders**.
- Identified **budget savings** through data-driven **reporting**, resulting in a 31% reduction in monthly expenses.

### Research Assist Intern @ UTSA IoT Security Lab

San Antonio, TX | Nov 2022 - May 2023

- Implemented **Detectron2** model for Autistic Behavior Detection using **PyTorch**, achieving **86.37%** accuracy on **15 TB** of data.
- Improved data collection efficiency by **30%** through secure **FTP** protocols, ensuring **data integrity** and **reliability** for models.
- Streamlined model building with **Python** lib OpenCV and pandas, enhancing data **preprocessing** and feature engineering.
- Computed pre-trained CNN models on a private cloud **server**, reducing training times and **evaluating** performance with metrics like **accuracy**, **precision**, and **recall**.
- Managed structured data using **SQL Server**, applying **normalization** techniques and creating insightful visualizations with matplotlib and **Tableau dashboard**.
- **Automated** key review processes, **reducing manual review** time by **50%** and **improving** clinical efficiency for earlier **diagnosis**.
- Collaborated with clinicians' team by participating in **Agile scrum** ceremonies includes daily stands-up to meet **health care** needs.

### Data Analyst @ Gates Institute of Management Sciences

Vijayawada, India | Sept 2020 - Aug 2021

- Conducted financial analysis **reporting** on tuition revenue and financial aid, identifying trends and areas for improvement.
- Assisted with **team** member in **predictive analysis** to forecast **enrollment trends**, informing institutional decision-making.
- Implemented high **data quality checks** and optimized **SQL** queries, for **data validation**, cleaning and **transformation**
- Developed and maintained **reports** and **dashboards** using **Power BI**, providing actionable insights for **administrators**.

## PROFESSIONAL PROJECTS

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- Designed and executed **ETL** processes using **Azure Data Lake** and **Azure Data Factory**, successfully processing **57.3 million Medicare** vision **claims** records.
- Improved data quality by **35%** through the development and implementation of comprehensive data **validation** and **cleansing SQL procedures**.
- Streamlined **data workflows** and optimized storage using Azure Data Factory, Azure Data Lake, and **SQL Database**, **reducing** operational **time** by **25%**.
- Enhanced data accessibility and **query performance** by Testing with **optimized SQL views**, resulting in significant improvements in **data retrieval** efficiency for **analysis**.
- Conducted in-depth **SQL-based analysis** to uncover trends in eye health, service utilization, and demographics.

## SKILLS and CERTIFICATION

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**Programming Languages:** Python, MS-SQL, T-SQL, PyTorch, Linux commands, GitHub

**Data Analysis Tools:** MS-Excel, Tableau, Pandas, Matplotlib, Seaborn, NumPy, Power BI, SSIS, Azure Cloud

**Certifications:** Data Analyst, SQL for Data analytics, Tableau Essentials, Introduction to python

## EDUCATION

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**University of Texas at San Antonio | GPA: 3.72 | Honors: *Departmental Scholarship Awardee***

Master of Science, Electrical Engineering (Specializing in Data-Driven Analysis and Computation)

San Antonio, Texas

**Amrita Vishwa Vidyapeetham | GPA: 3.86**

Bachelor of Technology, Electronics and Communication Engineering

Coimbatore, India