

Snehith Reddy Kathi

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WORK EXPERIENCE

Business analyst - Blueyonder

Dallas, TX | July 2023 - Present

- Analyzed 18M+ **financial** records in Enterprise Data Warehouse (**EDW**), identifying operational cost trends that led to **\$750K** in savings and **15%** reduction in expenses
- Designed **ETL** processes to integrate financial data from **5** distinct sources, ensuring data accuracy across **500K+** transactions
- Improved **data preprocessing** by **MS SQL**, reducing **query** latency by **40%** and enhancing **data normalization**
- Performed **statistical** analysis on financial data using **EDA** techniques, uncovering **3 key metric** budget patterns that drove **15%** cost reduction through optimized resource allocation
- Built interactive **Tableau dashboards** for financial **KPI** tracking, improving stakeholder decision-making efficiency by **30%** and enabling **\$250K** annual cost savings by reducing **31%** monthly expense through data-driven budget optimization

Research Assist Intern - UTSA IoT Security Lab

San Antonio, TX | Nov 2022 - May 2023

- Implemented and optimized PyTorch-based Detectron2 **computer vision model** for **autism** behavior detection on **15TB** clinical data
- Achieved **86.37%** model **accuracy** in behavior recognition tasks, reducing clinician review time by 50% for early diagnosis
- Engineered secure data pipeline using **SFTP** protocols for UTSA cloud migration, maintaining **HIPAA** compliance and data integrity
- Established an automated **preprocessing** framework for video **feature extraction** in python, improving workflow efficiency by **35%**
- Enhanced model training performance using GPU servers and MaskRCNN architecture, achieving 40% faster training times
- Created **structured analytics** system using **SQL** queries to transform video recognition results into actionable clinical insights
- Collaborated in biweekly with **clinical** stakeholders, ensuring **healthcare compliance** and alignment with diagnostic requirements

Data Analyst - Gates Institute of Management Sciences

Vijayawada, India | Sept 2020 - Aug 2021

- Analyzed historical student **enrollment data** using **SQL** and **Excel**, resulting in **34** new admissions and **10%** revenue **growth**
- Developed automated data validation processes on 4+ years data, improving accuracy from **40%** to **95%** and reducing effort by 70%
- Created and monitored **5 key enrollment metrics** for teaching staff allocation decisions across **2** academic programs
- Built **Excel visualization** dashboards for enrollment tracking, accelerating admission decision-making process by 25%
- Optimized student demographic **data workflows**, reducing data preparation time by 60% for faster trend analysis

PROFESSIONAL PROJECTS

LinkedIn Job Scraping Tool: Developed a **Python**-based web scraper using **Selenium/Beautifulsoup** and Requests to extract posts from LinkedIn to analyze custom job postings with **Excel** to match the required qualifications

NYC 311 Requests ETL Pipeline: Built an **ETL** workflow using Composer, DataProc, and BigQuery in **GCP** to extract **38.3M** daily updated records from an **API**, process them, and analyze the data using **BigQuery** and Tableau.

Medicare IP Hospital Analysis: Conducted analysis of Medicare inpatient hospital data using **Excel Power Query** editor for preprocessing. Utilized **Tableau** to uncover trends through visual dashboard, including defaults, breakouts, and metric categorization, providing stakeholders with clear, actionable insights.

Real Estate Sales Analysis Conducted an in-depth analysis of over 1M real estate sales records using Excel, SQL for preprocessing and Tableau for interactive dashboards, uncovering trends and **KPI's** like sales and profits metric for business investments

SKILLS & CERTIFICATIONS

Programming Languages: Python (pandas, matplotlib, seaborn, BeautifulSoup), SQL, PyTorch

Databases: MySQL, PostgreSQL, MS SQL, Snowflake

Data Analysis Tools: MS-Excel, Tableau, Azure Cloud (Data Factory, synapse Analytics), GCP(Big query, Dataproc)

Certifications: Data Analyst by Udacity, SQL for Data analytics, Tableau Essentials, Introduction to Python

EDUCATION

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