

Rohith Sahini

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EDUCATION

UNIVERSITY OF SOUTH FLORIDA, Muma College of Business

Master of Science in Business Analytics and Information Systems

Data Science Coursework: ETL, Database Management, Data Modeling, Data Warehousing, Big Data, Machine Learning

Tampa, FL

May 2025

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Bachelor of Technology in Computer Engineering

Hyderabad, India

July 2022

EXPERIENCE

University of South Florida, *Azure Data Engineer*

Tampa, USA

April 2024 - Present

- Successfully engineered an **ELT** data pipeline with **Azure Synapse Analytics**, achieving an **85%** reduction in data load time through incremental data loading.
- Led the creation of detailed **Power BI** dashboards for university student academic data, utilizing **Azure Synapse Analytics** to provide in-depth insights into student performance. Achieved a **30%** increase in **data visualization** clarity and user engagement.
- Optimized **data handling** processes, significantly improving efficiency and precision by leveraging the advanced capabilities of **Azure Synapse Analytics**, resulting in a **40%** reduction in data processing time and a **25%** improvement in **data accuracy**.

Wipro Ltd, *Data Engineer*

Hyderabad, India

May 2022 – July 2023

- Conducted statistical analysis on energy usage and demographics data, which positively impacted over **15,000** households while working on an energy consumption analysis project.
- Designed and automated **ETL** processes using **AWS Glue** ensuring seamless **data flow** between systems and used **AWS Redshift** for fast querying and analysis of large datasets, enhancing data accessibility and integrity.
- Created interactive **Power BI** visualizations for real-time monitoring of energy consumption, used by over 120 stakeholders daily. This showed **18%** improvement in understanding energy usage trends and making informed decisions.

Wipro Ltd, *Data Analyst Intern*

Hyderabad, India

Jan 2021 – May 2022

- Collaborated with the Stockholm Health Initiative on a public health analysis project, conducting statistical analysis on health and demographic data, positively impacting over **10,000** individuals.
- Devised interactive **Tableau** dashboards to monitor health indicators, accessed by over **100** stakeholders daily, resulting in a **10%** improvement in understanding health trends.
- Gathered requirements from the BI team and external stakeholders to write **SQL queries** for efficient data extraction and storage of more than **1 million** records.

SELECTED PROJECTS

Credit Card Fraud Detection using ML

- Utilized data science techniques, including exploratory data analysis (**EDA**), **feature engineering**, and data preprocessing, to prepare credit card transaction data for predictive modeling, achieving **95%** accuracy.
- Developed and deployed a **data pipeline** to automate data ingestion, processing, storage, and modeling, reducing data processing time by 40% and enabling faster data-driven decision-making.

Stock Market Analytics using AWS

- Implemented a real-time stock market data pipeline using **Apache Kafka**, **AWS**, ensuring continuous data processing and analysis which resulted in a 10% increase in data processing efficiency.
- Made interactive data **dashboards** with Quick Sight to highlight key insights and facilitate detailed data exploration, improving decision-making speed by **25%**.

VR Website [Algorand-Blockchain Explorer]

- Initiated an immersive VR-based Algorand-Blockchain Explorer using **A-Frame** and **React** and integrated backend, frontend systems with **Python** and **React**.
- Utilized **DappFlow API** to increase data retrieval speed by **35%** and added advanced VR features for 3D visualization and interaction, enhancing the user experience by **50%**.

TECHNICAL CAPABILITIES

Expertise: ETL/ELT, Data Science, REST API, Database Management, Data Modeling, Data Warehousing, Machine Learning

Technical Skills: Python, R, C#, AWS CLI scripting, Docker, Kubernetes, Git, SQL, Spark, Flask, NumPy, Pandas, Linux

Cloud Technologies: AWS, Azure Synapse Analytics