

Sai Venu Sagar Jakkula, MSBA, PM

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EDUCATION

Master's in science, Business Analytics and Project Management

University of Connecticut

January 2023 – May 2024

Bachelor's in Management Information Systems

Osmania University

January 2017-October 2021

WORK EXPERIENCE

Graduate Analytics Consultant – CT Transit, USA

January 2024-May 2024

- Developed a **Power BI dashboard** utilizing **NTD data**, crafted **DAX functions** to pinpoint bus stops with prolonged dwell times, facilitating strategic route modifications that reduced dwell times by 16%
- Conducted analysis on high-ridership bus routes applying **performance metrics** to the **Origin/End Timepoints**, detected inefficient timepoints, optimizing **On-Time Performance** and customer satisfaction, boosting route efficiency by 24%

Financial Analyst (Analytics Manager) – Elite Engineering Group

April 2021 – January 2023

- Conducted complex data analysis to assess data quality, create **source-to-target mapping**, and perform **data validation**, **user acceptance testing**, and post-production verification, ensuring a 20% increase in data accuracy and reliability
- Automated 80% of financial report preparation tasks using **Excel's VBA** and **Pivot Tables**, reducing manual errors and effort by 30%, and saving 25 hours per week, which boosted productivity and operational efficiency
- Optimized monthly financial statement consolidation by 35% using advanced **SQL queries** and **ETL techniques**, ensuring faster delivery and increased accuracy of financial reports critical for timely decision-making
- Streamlined the creation of **ad-hoc SQL reports** by implementing automated processes with stored procedures, which increased the speed of **data retrieval** by 33% and facilitated more responsive strategic decision-making
- Designed **A/B tests** and conducted analyses using SQL to evaluate new **product features** and operational improvements, boosting feature adoption by 25% and increasing customer satisfaction by 18%
- Leveraged **business intelligence** tools like **Power BI** to create and maintain dashboards, enhancing data-driven decision-making and improving project efficiency by 24% while reducing data retrieval times by 16%
- Developed and executed problem frameworks, including **hypothesis development**, **testing**, **analysis**, **solution development**, and implementation, achieving a 20% improvement in project delivery timelines and a 25% increase in project success rates
- Led team collaboration during **BRD phases** by leveraging **SME expertise**, which promoted execution strategies and aligned project outcomes with business goals, cutting project delivery timelines by 37%
- Monitored and diagnosed **KPI performance** with **Power BI**, presenting findings to senior leadership, resulting in a 10% improvement in quarterly performance reviews and reducing manual analysis time by 25%
- Pioneered real-time technical support for **financial data systems**, improving system reliability and reducing downtime by 20% through **troubleshooting** and **root cause analysis** to prevent future issues

Data Analyst – Friday Wall Magazine

October 2020- March 2021

- Collaborated with **Business Analysts** to gather requirements and coordinate projects, leading the development of advanced **Power BI dashboards** that refined **stakeholder engagement** by 11% through **data-driven data visualization** features
- Conducted detailed data analysis using advanced SQL on **Microsoft SQL Server** and **relational databases**, executing validation assessments that revised data accuracy and integrity, resulting in a 23% reduction in errors

ACADEMIC PROJECTS

Patient Experience Optimization Report | Health Care | Power BI

January 2024-May 2024

- Developed a comprehensive **Power BI dashboard** for UConn Health, utilizing **DAX** to create measures that analyzed patient data, leading to a 16% reduction in patient wait times and a 12% increase in overall satisfaction scores
- Executed advanced **data modeling** by constructing a Calculations Table and a Date Table, enabling the analysis of patient visits over time, which identified key areas for resource optimization and improved operational efficiency by 24%

Insurance Fraud Detection Project | Data Science | Python

September 2023-December 2023

- Managed a team of five students in creating a **predictive model** for fraud detection; attained an accuracy of 88% with a 'weighted' **F1 score** of 78, analyzing 2 GB of data to identify critical fraud indicators using **Python** and **scikit-learn**
- Enhanced fraud detection and **risk management** by presenting analytical findings to a non-technical audience, resulting in a 35% decrease in fraudulent activities through comprehensive **data analysis**

Shark Tank | Excel | SQL

July 2023-August 2023

- Designed a **SQL analysis** project on the "Shark Tank India" dataset, uncovering **key insights** into deal distribution by sector and Shark investment preferences, increasing understanding of the market by 17%
- Quantified **investment trends** by identifying the top 3 sectors attracting the most deals and the Shark with the highest average investment amount, revealing a 27% higher investment concentration in the leading sector

TECHNICAL SKILLS

SDLC: Agile Methodologies, Waterfall Methodologies, Scrum Calls, Sprint Planning, Kanban

Languages: SQL, Python, R Studio, Go

Tools: SAS Studio, Alteryx, Power BI, Tableau, IBM Cognos, Qlik view, MS Office, MS Excel, MS PowerPoint, MS Project, Jira, Visio, Microsoft Azure, Google Analytics, AWS, SAP, Salesforce, Hadoop, Amazon Redshift

Analytics: Data Analysis, Business Analysis, Data Science, Predictive Modeling, Visualizations, Statistics, Classification & Regression Models, Decision trees, Neural Networks

Certifications: Alteryx Designer Core Micro-Credential: Data Preparation, Six Sigma Principles, Data Analytics from Google, Data Analytics with Excel & R, Foundations of Project Management, Jira Fundamentals