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** and applied **DAX functions** to identify inefficiencies, leading to a 16% reduction in dwell times and a 24% increase in route efficiency through targeted improvements
- 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*
- Led a team of 5 financial analysts to develop and implement **financial models**, optimizing inventory management by 22% and improving stock availability by 28%, resulting in a 14% increase in revenue for a major retail client
- Spearheaded the development of a **dynamic pricing model** that enhanced profitability by 16% through accurate demand forecasting and strategic pricing adjustments, leading to improved client satisfaction by 12%
- Managed the **budgeting and forecasting** process for $10 million in revenue and expenses, enhancing financial performance through **strategic planning** and **variance analysis**, which reduced budgeting discrepancies by 23%
- Performed variance analysis on financial models, identifying key discrepancies and refining forecasts, leading to a 19% improvement in financial prediction accuracy and supporting more informed decision-making by senior management
- Extracted and validated financial data from 4 financial databases using advanced **SQL** and **ETL** techniques, improving data accuracy by 21% and ensuring error-free integration into **Workday ERP**
- Created and maintained financial reports and dashboards in **Excel** and **Power BI**, improving decision-making efficiency by 32% through clear and actionable data visualizations for senior management
- Streamlined financial reporting processes by automating tasks using Excel and **Adaptive Insights**, reducing manual effort by 38% and saving 22 hours per week, which significantly increased overall team productivity
- Delivered **ad hoc financial analyses** tailored to specific business needs, enabling senior management to make strategic decisions faster, contributing to a 17% improvement in operational efficiency
- Mentored and trained 2 junior financial analysts, improving team performance and cohesion, which contributed to a 27% increase in the accuracy and timeliness of financial reports

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

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**

Time Series Analysis of Vegetable and Fruit Prices | SAS Studio   *September 2023-December 2023*
- Leveraged **SAS** to conduct a **time series analysis** of vegetable and fruit prices, revealing seasonal trends and long-term patterns; applied findings to develop **data-driven pricing strategies** that boosted profitability by 20%
- Implemented innovative **data accumulation** and **transformation techniques** to cleanse, standardize, and transform the **raw dataset**, ensuring high-quality and **reliable data** for accurate **forecasting**, resulting in a 37% reduction in forecasting errors

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:	Workday ERP Systems and Adaptive Insights, Alteryx, Power BI, Tableau, IBM Cognos, Qlik view, MS Office, MS Excel, MS PowerPoint, MS Project, Jira, Visio, Microsoft Azure, Google Analytics, SAS Studio
Operational Skills:	Data Analysis, Financial Analysis, Variance Analysis, Budgeting & Forecasting, Data-Driven Decision Making, Strategic Planning, Cost-Benefit Analysis
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