

SAI JAGAN YALAMANCHILI

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PROFESSIONAL SUMMARY

My professional journey is led by a genuine enthusiasm for data, which complements my solid foundation in Civil Engineering and an MBA with a specialization in Data Analytics. This path has given me the opportunity to lead and contribute to a wide variety of challenging projects across different countries, including India, Italy, and the USA. I have been deeply involved in various areas, from managing Civil Engineering projects and steering Cybersecurity initiatives to using and enhancing data for smarter inventory systems and planning complex project details. What I genuinely enjoy is transforming raw data into clear, actionable insights that not only solve problems but also significantly improve how things work, guide better strategic decisions, and help operations run exceptionally well. This approach has been key to my contributions in various settings, including developing business opportunities and working within educational institutions.

EDUCATION

- Bachelor of Civil Engineering, Acharya Nagarjuna University, India (2011-2015)
- Master's in management of Built Environment, Politecnico di Milano, Italy (2017-2019)
- Erasmus Student, Universidade U Minho, Portugal (2017-2018)
- Master of Business Administration with a Concentration in Data Analytics, Central Michigan University, USA (2022-2024)

WORK EXPERIENCE

Inventory Management Specialist

Reforma Group LLC, USA

October 2024 – Present

- Engineered data synchronization for real-time inventory visibility and optimized material planning (MRP), utilizing Python ETL processes, SQL stored procedures, and Odoo ERP.
- Developed automated purchasing tools that dynamically adjusted reorder points based on consumption patterns and lead time analysis, using VBA and SQL queries integrated with Odoo.
- Led cross-functional data integrity initiatives, performing data validation and anomaly detection across production, packaging, and logistics, with Odoo modules and custom Python scripts.
- Performed in-depth inventory analysis to identify discrepancy causes and optimize stock levels for cost reduction, employing advanced SQL queries and Python libraries (Pandas, NumPy). Tools Used- Python, SQL, Odoo ERP, VBA, Pandas, NumPy, Microsoft Excel.

Cybersecurity Project Management Intern

Cloudscale Technologies, USA

Feb2024 – July 2024

- Managed the integration of security features into applications and analyzed test results through automated projects, using Postman.
- Led device security initiatives, including application wrapping, jailbreaking for testing, and implementing encryption, utilizing specialized security tools and techniques.
- Conducted vulnerability assessments to identify and manage system weaknesses, employing industry-standard security practices and assessment tools.
- Verified platform security, ensuring project timelines and effective resource allocation for security tasks, for Microsoft Dynamics and Infoblox.
- Communicated security findings and recommendations effectively to stakeholders to facilitate informed decision-making, using. Tools Used- Postman, Jira, Microsoft Dynamics 365, Infoblox, Security Assessment Tools.

Student Assistant - Office of International Admissions

Central Michigan University, USA

Nov2022 – Dec2023

- Managed student database projects and ensured efficient data handling and accessibility by organizing data, using Excel and Asana.
- Optimized targeted email campaigns and improved communication strategies by analyzing engagement data, with Mailchimp and Trello.
- Streamlined admissions reporting and provided clear insights into admission trends by creating data visualizations, using Excel and Tableau. Tools Used- Excel, Tableau, MailChimp, Asana, Trello.

Graduate Assistant - Office of Entrepreneurship, MBA Department

Central Michigan University, USA

Aug2023 – Jan2024

- Delivered actionable insights to inform policy development by leading climate data analysis, utilizing R, Python, and QGIS.
- Effectively communicated complex climate data to stakeholders by creating advanced reports and interactive dashboards, with Tableau and Power BI.
- Drove strategic decision-making for environmental initiatives by identifying key climate dataset trends, using Python.
- Aided in community planning and preparedness by developing statistical models to forecast environmental impacts, with R.
- Visualized climate risks and regional vulnerabilities for better understanding by designing detailed geospatial maps, using QGIS. Tools Used- R Language, Python, QGIS, Tableau, Power BI.

Project Planner and Controller - Pegaso Ingeneria, Lombardy Region, Milan, Italy

Braila Bridge Project of Romania

Jan 2020 - Feb 2021

- Extensively used Primavera P6 to create, manage, and update the comprehensive project schedule, breaking down the Brăila Bridge construction into manageable phases and ensuring all key milestones were clearly defined and tracked for timely completion.
- Regularly analyzed the project's financial performance against the substantial budget, identifying variances and providing insights for budget optimization by processing financial data with Excel and SQL.

- Streamlined project data analysis by developing reports and dashboards with Power BI and Tableau, which helped monitor progress, identify potential delays or inefficiencies in the Brăila Bridge's execution, and improve overall project delivery.
- Ensured all team members and stakeholders were aligned on project goals, progress, and any emerging issues by managing communications and tracking resolutions effectively using JIRA, which was crucial for a project of this scale and complexity.
- Contributed to developing the detailed Engineering Project Execution Plans (PEP) for the Brăila Bridge, a major infrastructure project with a budget in the 200 million Euros, utilizing data insights generated with R to help define subcontract scopes and initial planning parameters. Tools Used, R, Primavera P6, Excel, SQL, Power BI, Tableau, JIRA.

Business Operations Manager

Yalamanchili Fuels- HPCL Outlet

Jan2021 - May2022

- Oversaw all daily operations, including fuel and retail management, ensuring efficient workflow, optimal customer service, and adherence to safety and regulatory standards.
- Managed inventory control for fuel and convenience store products, implementing reordering strategies to maintain adequate stock levels, minimizing waste, and meeting customer demand effectively.
- Handled all station financials, including daily cash reconciliation, sales reporting, and managing operational expenses, ensuring accuracy, and contributing to profitable operations.
- Led and supervised a team of station attendants, responsible for scheduling, training, performance management, and fostering a customer-focused service environment.
- Developed and maintained positive relationships with vendors and suppliers for timely fuel deliveries and retail stock procurement, while also ensuring equipment maintenance and

Junior Project Engineer at Indira Sagar Dam, Madhya Pradesh Slope concreting Project worth 19.09 million US Dollars

SEW Infrastructure Limited

June 2015- Jan-2017

- Analysed the historical data of Climate in Madhya Pradesh using Geo Spatial analysis and analyzed damaged spill way and teeth design of Indira Sagar Dam and designed the slope concreting structure cutting the Spill way and making the water run off to the reservoir. Extensively used AutoCAD and STAAD pro in designing this Project.
- After designing and Contract approval by NHDC (National Hydro Development corporation of India) made site Inspections to set up the work Environment with our team in SEW.
- Lent out tenders to Local Contractors and assigned the Budget to each section of work.
- Executed the design at site managing 14 Blocks of Concreting. Finished the Project within the time line.
- Tools Used- AutoCAD for designing of Project, STAAD pro for steel design and Primavera for planning and execution of Project

Technical Skills: Engineering Management, Design of Hydro Projects, Cyber Security Assessment, Data Analysis, Engineering Designs, Project Management

Tools- Excel, Tableau, Power BI, Primavera P6, AutoCAD, Python, Java, SQL, Postman, GitHub, Trello, JIRA, Microsoft Dynamics 365

Operating Systems- Windows, IOS, Linux

Certifications:- Microsoft Dynamics 365, CCNA, Infoblox

Interests- Data , Exploring , Travelling and Dancing.

Languages- English, Telugu, Hindi, Tamil, Italian(Beginner)

Pick up Line- Take it easy but don't be lazy.