

# SAI JAGAN YALAMANCHILI

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## CAREER SUMMARY

A dynamic and detail-oriented professional with a Master of Business Administration in Business Data Analytics and a strong background in infrastructure project management. Possesses over four years of experience in delivering projects from inception to completion, with expertise in data analysis, test automation, and project coordination. Proficient in utilizing Python, SQL, and data visualization tools (Tableau, Power BI) to drive strategic decision-making and optimize project outcomes. Demonstrated ability to identify, analyze, and resolve complex issues, with a proactive approach to ensuring data integrity and project quality. Experience includes managing test automation projects, conducting vulnerability assessments, and streamlining inventory management processes.

## EXPERTISE

Project management | Data analysis | Process automation | Test automation Stakeholder communication | Vulnerability assessment | SQL | Python

## TECHNICAL SKILLS

Automation | Backup management | Cloud computing | Data analysis | Encryption | Firewall configuration | Graphic design | Hardware maintenance | IT support | JavaScript development | Marketing | SQL Server | Testing

## PROFESSIONAL EXPERIENCE

**APPLICATION DEVELOPER/ INVENTORY ANALYST** | Reforma Group LLC| Southfield, MI Oct 2024 – Mar 2025

- Engineered and implemented Python-based ETL processes and SQL stored procedures to automate data synchronization between different inventory databases and Odoo ERP.
- Developed VBA-driven automation tools integrated with Odoo via ODBC connections and direct SQL queries, streamlining purchase order generation and dynamically adjusting reorder points.
- I have taken cross-functional data integrity initiatives with production, packaging, and logistics departments, leveraging Odoo's manufacturing, inventory, and shipping modules, and custom Python scripts for data validation and anomaly detection.
- Performed complex inventory data analysis using advanced SQL queries and Python libraries (Pandas, NumPy), identifying root causes of discrepancies, optimizing safety stock levels, and minimizing inventory carrying costs.

**CYBERSECURITY Project Management Intern** | Cloudscale Technologies, USA | Feb 2024 – July 2024

- Managed test automation projects using Postman for security feature integration in applications.
- Led device security projects involving wrapping, jailbreaking, and implementation of encryption.
- Conducted vulnerability assessments and managed security enhancement projects using industry standards.
- Verified platforms like Microsoft Dynamics and Infoblox, ensuring project timelines and resource allocation.
- Utilized Jira to communicate security findings and recommendations effectively to stakeholders.

**STUDENT ASSISTANT** | Central Michigan University, USA | Nov 2022– Feb 2024

- Managed the full admissions process from initial application to final enrollment using SAP for tracking and record management.
- Communicated directly with prospective students, offering personalized support and timely updates throughout each stage of admission.
- Designed and executed targeted email campaigns to reach and engage potential students, improving response and application rates.
- Collaborated with admissions officers and campus departments to ensure a smooth onboarding experience for newly admitted students.
- Maintained accurate student data and admissions reports within SAP, ensuring data integrity and timely processing of applications.

**GRADUATE ASSISTANT** | Central Michigan University, USA | AUG 2023– JAN 2024

- Assisted professors in the Business School's Entrepreneurship Department with research on climate change impacts across North America.
- Conducted data analysis using R, Python, and Excel to study socioeconomic patterns and environmental trends linked to climate justice.
- Supported the writing, editing, and formatting of a research paper on climate justice for academic conferences and publication.
- Collected, organized, and interpreted data from secondary sources using tools like QGIS for geospatial analysis and Power BI for data visualization.
- Collaborated with faculty to develop data-driven insights and actionable recommendations, enhancing the department's research contributions on climate resilience

## **MANAGER OF BUSINESS OPERATIONS | Yalamanchili Fuels, India | Jan 2021 – June 2022**

- Managed daily gas station operations, using Point-of-Sale (POS) systems (the cash registers) to track sales and fuel management software to monitor fuel levels and keep tanks stocked.
- Led and trained the team, making sure everyone provided excellent service and used our Customer Relationship Management (CRM) principles to handle customer needs smoothly.
- Ensured full compliance with safety rules, regularly checking that we followed all government and environmental guidelines, and used CCTV security systems (surveillance cameras) to keep the station safe.
- Handled getting fuel deliveries, working with logistics providers (transport companies) and using inventory management tools to keep track of stock, reducing costs, and making sure we always had fuel.
- Oversaw all finances, using accounting software Tally ERP9 to track money in and out, and analyzed Key Performance Indicators (KPIs) (important numbers like profit) to boost the station's earnings.

## **PROJECT PLANNER AND CONTROLLER | Pegaso Ingenieria, Italy | Sept 2020 – Dec 2020**

- Coordinated cross-functional teams using Primavera P6 to ensure project milestones were met on time.
- Utilized Power BI and Tableau to streamline data analysis and improve project delivery efficiency.
- Analyzed financial performance metrics with Excel and SQL, providing insights for budget optimization.
- Managed stakeholder communications via Jira, ensuring alignment on project goals and issue resolution.
- Developed Engineering Project Execution Plans (PEP) and reviewed subcontract scopes using R for data insights

## **JUNIOR CIVIL ENGINEER | SEW InfraSTRUCTURE LTD, Hyderabad | Aug 2015 – Dec 2016**

- Executed slope concreting for dam spillway using AutoCAD for design and onsite management at Indira Sagar Dam, Madhya Pradesh.
- Managed estimation, budgeting, and material procurement for civil engineering projects.
- Utilized data analytics to optimize cost forecasting and procurement strategies in Excel and Tableau.
- Coordinated multidisciplinary engineering deliverables and reports for project execution.
- Facilitated stakeholder communication and collaboration to ensure seamless project workflows.
- Supported digital project delivery integration, enhancing project execution through PLM systems.

## **EDUCATION**

Central Michigan University, Mount Pleasant, MI, USA | Aug 2022 – May 2024

- Master of Business Administration in Business Data Analytics, 3.57/4.0 Politécnico di Milano, Italy | Feb 2017 – Dec 2019
- Master of Science in Built Environment, 3.65/4.0
- Erasmus Student at University of Minho, Portugal | July 2018 – Jan 2019
- RVR&JC College of Engineering, Bachelor of Science in Civil Engineering | Aug 2011 – June 2015

Interests

Writing Short stories, Dancing, Collecting Coins, Learning Languages, Learning New Technologies.