Rahul Kotian

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Experience

Data Analyst (Trainee Software Programmer)
May 2024 – Feb 2025

Marlabs LLC — *Syracuse, NY, USA*

- Developed comprehensive **Power BI dashboards** for project cost tracking and resource management, integrating ERP systems with financial data sources for real-time visibility into construction project performance.
- Built **automated data pipelines** connecting multiple construction databases to Power BI, implementing scheduled refresh processes and monitoring data quality to ensure accurate reporting for project managers and executives.
- Created interactive **Power BI reports** with drill-down capabilities for construction KPIs, supporting business stakeholders with project profitability analysis, safety metrics tracking, and operational efficiency reporting requirements.
- Designed **Power BI monitoring dashboards** for construction operations, performing daily data validation, trend analysis, and collaborating with project teams to resolve data inconsistencies, contributing to **40% reduction in manual reporting tasks**.

Data Analyst (Research Analyst)Intern
Jul 2023 – Apr 2024

Syracuse University School of Information Studies — *Syracuse, NY, USA*

- Extracted and analyzed scheduling system log data using SQL queries and **Power BI visualizations**, identifying resource allocation bottlenecks and **reducing double-booking conflicts by 30%** through interactive dashboard insights.
- Designed **Power BI executive dashboards** with advanced visualizations and DAX measures, tracking KPIs including weekly active users, meeting utilization rates, and resource optimization metrics for university administration.
- Mapped business process flows using **Power BI process mining visualizations** and workflow analytics, identifying improvement opportunities that accelerated system rollout by 3 weeks through data-driven recommendations.
- Led user acceptance testing coordination with **Power BI feedback analytics**, compiling user behavior data and satisfaction metrics, delivering **15+ feature enhancements** with **80% user satisfaction rate**.

Data Analyst (Graduate Research Fellow)
Jul 2022 – May 2023

Dynamic Sustainability Lab — *Syracuse, NY, USA*

- Led comprehensive energy efficiency analysis for **$2.11B enterprise portfolio** using EnergyCAP Report Designer and Power BI, leveraging advanced SQL analytics and statistical modeling to identify **$75K in projected annual savings** across 50+ facilities.
- Architected enterprise-grade **Power BI dashboard ecosystem** with DirectQuery integration to SQL Server Analysis Services (SSAS), implementing real-time energy consumption monitoring and predictive analytics for executive decision-making.
- Developed sophisticated DAX measures and custom visualizations for sustainability KPI tracking, translating complex energy data into actionable insights that influenced **15% increase in green initiative funding**.
- Implemented comprehensive **data quality framework** with automated validation rules and exception reporting, reducing data inconsistencies by 30% and improving report accuracy for regulatory compliance.

Lean Six Sigma Consultant Intern
Feb 2022 – May 2022

L & JG Stickley — *Manlius, NY, USA*

- Applied DMAIC methodology to optimize inventory management systems, conducting root cause analysis using Fishbone diagrams and statistical process control, **reducing stockouts by 23%**.
- Developed predictive models using regression analysis and control charts in Minitab for production quality monitoring, identifying process variations, and implementing corrective actions.
- Conducted value stream mapping exercises and time-motion studies, documenting current state processes and designing future state workflows with waste elimination focus.

Education

Master of Science in Information Management Systems
Aug 2021 – May 2023

Syracuse University - School of Information Studies — *Syracuse, NY, USA*

Certificate of Advanced Study in Enterprise Technology Leadership
Aug 2021 – May 2023

Syracuse University (iSchool & Martin J. Whitman School of Management) — *Syracuse, NY, USA*

Bachelor of Engineering in Computer Engineering
Aug 2016 – Oct 2020

Mumbai University (Rajiv Gandhi Institute of Technology) — *Mumbai, India*