Triveni Janardhan Racha

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PROFESSIONAL EXPERIENCE

Applied Materials (AMAT), **Data Scientist** - *Practicum Project*
Jan 2025 - Jun 2025
Designed a multi-objective optimization model to schedule 7,500+ semiconductor systems using Python (PuLP) & Gurobi, balancing quarterly revenue, margin, and delivery constraints.
Implemented constraints to optimize build linearity across a 91-day window and align production with customer targets (TCRSD vs. EOP).
Delivered Tableau dashboards and Excel reports for quarterly and weekly production review and scenario analysis.

EY Global Delivery Services, **Assistant Director – Sr Business Analyst**
Oct 2022 - Jul 2023
Led digital initiatives and cross-functional analytics product teams to deliver data-driven insights across financial services
Translated business needs into ML models (Python, Scikit-learn) and prioritized product backlog through Agile ceremonies
Defined KPIs and implemented SQL pipelines to enable proactive decision-making and roadmap validation
Drove stakeholder alignment and functional scope clarification through discovery sessions and sprint reviews

Wipro Limited, **Associate Consultant**
Oct 2019 - Sep 2022
Led cross-functional workshops, stakeholder interviews, and sprint demos to gather and validate business requirements, driving alignment between pharmacy data system users and product features.
Defined the product vision and managed the end-to-end lifecycle of analytics and dashboard modules, translating complex needs into user stories, process flows, and tailored configurations in collaboration with solution architects and integration teams.
Coordinated with dev and QA to drive sprint testing, defect triage, and stabilization phases
Delivered real-time dashboards in Power BI & Tableau to monitor and communicate release KPIs

Magna Infotech, **Business Analyst**
Mar 2019 - Oct 2019
Defined functional product vision and translated pharmacy data system requirements into scalable healthcare analytics solutions.
Delivered Power BI and Tableau dashboards while managing the product lifecycle of reporting features from backlog grooming to release.

Cerner Corporation, **Configuration Consultant**
Feb 2015 - Oct 2018
Defined business rules and developed predictive analytics solutions for Cerner's Millennium integrated EHR modules
Coordinated data and functional dependencies for integrated hospital systems across stakeholder teams

Siemens Medical Solutions, **Senior Systems Engineer**
Jul 2011 - Feb 2015
Executed ETL-based clinical and financial data migration from legacy platforms, ensuring data quality and continuity.
Conducted HL7 message validation and functional testing for medical data interfaces.

Tata Consultancy Services, **Assistant Systems Engineer**
Sep 2008 - Jul 2011
Led SQL and DB2-driven data validation for pharmacy systems, ensuring consistency across retail platforms.
Supported system integration and defect resolution during large-scale healthcare software rollouts.

EDUCATION

Santa Clara University, Leavey School of Business **Masters in Business Analytics**	**Sep 2024 - Dec 2025**
Visvesvaraya Technological University **Bachelors in Electronics & Communication**	**Apr 2004 - April 2008**

TECHNICAL SKILLS

Python • Pandas • NumPy • Seaborn • Scikit-learn • R • MySQL • JSON/XML • Tableau • Power BI • Looker Selenium • Jira • JMeter • Git • VersionOne • AdobeXD • Natural Language Processing(NLP)