Vineet Reddy Saddi

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EDUCATION

University of Massachusetts Amherst, USA   Aug 2024 – Dec 2025
Master of Science in Business Analytics

WORK EXPERIENCE

Data Analyst – Harman(JBL) | Bhagya Services   July 2022 –June 2024

- Cleaned, standardized, and audited multi-source data from SQL Server (SSIS pipelines), ensuring accuracy across repair logs, claims, inventory, and CRM tickets while improving overall data consistency by **30%**.
- Optimized SQL and Python workflows to integrate, validate, and transform high-volume datasets; reduced manual processing time by **40%** and increased reliability of operational KPIs used for daily monitoring.
- Engineered KPI frameworks for turnaround time, rejection %, and productivity; automated Power BI dashboards with product, region, and technician drilldowns to enhance visibility and accelerate decisions.
- Built anomaly-detection scripts in Python to identify data quality issues, metric deviations, and processing delays, accelerating root-cause analysis by **25%** and supporting continuous improvement.
- Conducted in-depth metric investigations to explain sudden spikes, shortages, or performance drops, enabling managers to make timely operational adjustments and reducing overall turnaround time by **12%**.
- **Key Project – Spare Parts Inventory Dashboard:** Designed SQL + Power BI inventory tracking dashboard calculating days-until-stockout and risk categories with a traffic-light system; enabled early actions that cut expedited shipments by ~**20%** and reduced repair delays.

PROJECTS

Smartphone Sales Analytics

- Designed normalized SQL schema and analytical workflows integrating 25K+ sales and customer records, using CTEs, window functions, and ranking logic to compute revenue, ASP, and unit-sales KPIs with 99% accuracy.
- Analyzed customer, product, and sales datasets to evaluate demographic, channel, and promotion-based trends; quantified shifts using percentage-change metrics and rank comparisons to support clear data-driven insights.

Social Media Engagement Analysis Dashboard – Power BI

- Built a Power BI dashboard integrating engagement KPIs (likes, comments, shares), post-type comparisons, and sentiment ratios; leveraged DAX measures to improve insight clarity by 40%.
- Calculated sentiment distributions, engagement averages, and post-type differences to quantify content effectiveness and validated patterns using engagement metrics across platforms.

Health Insurance Premium Predictor

- Built an XGBoost regression model with demographic and risk features, achieving **$R^2 \approx 0.82$** and **MAE ≈ 0.059**; applied cross-validation and residual diagnostics to quantify drift and assess stability.
- Conducted systematic cleaning, correlation analysis, and feature-impact evaluation; tuned hyperparameters and removed noisy predictors, reducing error spread and strengthening model robustness.

CERTIFICATIONS

Microsoft Certified: Power BI Data Analyst Associate – Microsoft

Machine Learning Specialization – Stanford University (DeepLearning.AI)

Google Advanced Data Analytics Specialization – Google / Coursera

Google Project Management Specialization – Google / Coursera

SKILLS

Programming Languages: Python (Pandas, Scikit-learn), SQL (CTEs, Window Functions), R
Databases & Data Warehousing: SQL Server, Snowflake, PostgreSQL, MySQL, Databricks
Analytics: Data Cleaning, KPI Engineering, Trend Analysis, Data Quality Audits, Experimentation
BI & Reporting: Power BI (DAX), Tableau, Excel (Advanced), Reporting Automation
Machine Learning: Regression, Classification, XGBoost, Random Forest, Model Validation, Cross-Validation
Operations: SLA Tracking, Throughput Analysis, Process Optimization