Tejaswi Ganji

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SUMMARY

Data Analyst and MS Data Science at **Stony Brook University** skilled in transforming data into actionable insights through visualization, modeling, and reporting. Proficient in **Python, Power BI, Tableau, SQL** for analytics, forecasting, and automation. Experienced in **KPI development, data storytelling, and stakeholder reporting** across healthcare and enterprise domains.

WORK EXPERIENCE

Stony Brook University **January 2024 – Present**

Research Assistant : Data Analyst | *Python, Pandas, SQL, ETL, AWS S3*

- Achieved **25% improvement in data consistency** by leading a cross-functional team of clinicians and data scientists to standardize preprocessing protocols for **1B+ EHR records** using Python and SQL.
- Reduced **data refresh time from hours to minutes** by **automating ETL pipelines** from AWS S3 to analytic workflows, creating reusable templates adopted by multiple labs.
- Pioneered a **bias-corrected dementia prediction model** using **Balanced Random Forest and Firth Logistic Regression (AUC ≈ 0.87)**, setting a new modeling benchmark within the N3C consortium.
- Directed the design of **interactive Power BI/Tableau dashboards** with KPI and ROC curve visualizations, which were **cited in research publications** for reproducibility and insight clarity.
- Mentored **5+ research interns** on data wrangling and model evaluation best practices, fostering a scalable knowledge-sharing workflow across the data science group.

Accenture Bengaluru, India

Data Analyst | *Power BI, SQL, Python, SAP HANA, Oracle* **October 2021 – December 2023**

- Led a **5-member analytics team** to automate KPI dashboards using **Power BI and Excel**, cutting reporting time by **35%** and accelerating client decision-making cycles.
- Championed a **company-wide data governance initiative** by standardizing SQL procedures across SAP HANA and Oracle, enhancing **data accuracy by 30%** and reducing cross-team inconsistencies.
- Designed and deployed **Python and Power Query automation scripts** that increased **report generation speed by 40%**, establishing a new internal automation standard.
- Developed a **real-time performance tracking dashboard** adopted by multiple client divisions, driving **predictive trend analysis** and operational visibility.
- Trained junior associates in **Power BI + SQL optimization**, cultivating technical independence and reinforcing a **culture of innovation and mentorship** within the analytics team.

EXPERIENTIAL LEARNING

Retail Sales Performance Dashboard | *Tableau, Excel, SQL*

- Improved **executive decision speed by 30%** by designing a multi-page Tableau dashboard integrating sales, marketing, and inventory data.
- Automated KPI tracking using SQL joins and DAX measures, enabling **real-time monitoring** of revenue growth and customer retention.
- Delivered **seasonality-based forecasting insights** that influenced product pricing and inventory strategy.

Bank Customer Churn Prediction | *Python, Scikit-learn, Pandas, Matplotlib*

- Achieved **~89% churn prediction accuracy** by engineering behavioral features and training ensemble models (Random Forest, XGBoost).
- Automated **model evaluation and visualization dashboards**, reducing analysis time by **40%**.
- Guided marketing teams with actionable churn indicators, improving **customer retention strategy precision**.

Business Revenue Optimization Dashboard | *Power BI, SQL, Excel*

- Increased **profit-tracking accuracy by 25%** through unified dashboards integrating sales, campaign, and customer data.
- Created **dynamic DAX-based KPIs** for ROI and conversion efficiency, reducing reporting lag from days to minutes.
- Championed **self-service analytics adoption** among business units, enhancing data-driven decision culture.

Customer Sentiment Analysis | *Python, NLP, Tableau*

- Transformed **50K+ customer reviews** into actionable sentiment insights using spaCy and TextBlob NLP pipelines.
- Built **interactive Tableau dashboards** to visualize product sentiment by geography and category, enabling **data-driven feature improvement**.
- Proposed **automated feedback monitoring workflows**, adopted for continuous product quality evaluation.

Supply Chain Delay Prediction | *Python, Scikit-learn, SQL*

- Enhanced **shipment delay prediction accuracy by 18%** using logistic regression and random forest models.
- Developed **ETL workflows and automated alert dashboards** to improve supplier visibility and reduce bottlenecks.
- Led data validation initiative ensuring **100% model reproducibility and audit compliance**.

EDUCATION

SUNY Stony Brook University **Stony Brook, NY**

Master of Science in Data Science | *Coursework:Data Management, Statistical Computing, Statistical Learning, Data Analysis, Big Data Systems, LLM*

SKILLS

Python (Pandas, NumPy, Matplotlib, Seaborn), SQL (Joins, CTEs, Window Functions), Excel (Power Query, Pivot Tables), Power BI, Tableau, Scikit-learn, Data Cleaning, ETL, Data Visualization, KPI Dashboards, Regression, A/B Testing, Forecasting, AWS S3, Snowflake, Oracle, Data Storytelling, Stakeholder Reporting