

# Tejas Vaidya

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## Summary

M.S. Data Analytics candidate with 1+ year of experience applying experimentation, statistical inference, and machine learning to drive business outcomes. Built segmentation, pricing, and forecasting analyses using Python, SQL, and R on 50K+ records, improving campaign ROI and conversion by 15% and seasonal revenue by 10%.

## Technical Skills

**Languages:** Python, SQL, R

**Statistics & Experimentation:** A/B Testing, Hypothesis Testing, Statistical Inference

**Modeling:** Regression, Time Series (ARIMA, SARIMA, LSTM), Cross-Validation

**Data & Platforms:** Snowflake, Databricks, AWS, Git

**ML & Analytics:** Pandas, NumPy, Scikit-learn, PyTorch, BERT, spaCy, SHAP/LIME, Jupyter, Matplotlib

**Visualization:** Tableau, Power BI

## Professional Experience

**Graduate Research Assistant**, Truist Bank, Atlanta, USA

Aug 2025 - Present

- Built an evaluation and monitoring layer for an internal LLM, defining quality metrics (faithfulness, answer relevance, context precision and recall) and surfacing results directly in the product UI for end users.
- Designed an end-to-end evaluation framework combining statistical and ML-based metrics to detect regressions and guide release readiness, enabling reliable iteration in CI/CD.
- Streamlined prompt experimentation workflows with LangSmith, improving experiment tracking and reducing iteration cycles by 80%.

**Data Analyst**, Emillia Travel Consultancy, Mumbai, India

Jun 2024 - Jul 2025

- Analyzed 50K+ booking and survey records using Python and SQL to identify travel patterns and campaign drivers, improving targeted marketing ROI and conversion by 15%.
- Built customer segments using RFM features and k-means clustering; delivered targeting and timing recommendations that increased seasonal revenue by 10% after pricing adjustments.
- Developed Tableau and Power BI dashboards for sales KPIs, conversion funnels, and customer trends, enabling faster weekly decision-making for leadership.

## Education

**Georgia State University**, M.S. in Data Analytics

Aug 2025 - Dec 2026

- Coursework: Statistical and Machine Learning, Data Visualization, Predictive Analytics, Data Programming (Python, R, SQL).

**University of Mumbai**, B.E. in Electronics and Telecommunications

Jun 2020 - Jul 2024

- Coursework: Data Structures and Algorithms, Computer Networks, Digital Signal Processing, Object-Oriented Programming.

## Projects

**LapLens - F1 Telemetry Analytics Website** [[laplens.app](#)]

Nov 2025 - Jan 2026

- Built a full-stack telemetry analytics website to compare any two drivers across sessions since 2018, with interactive visualizations for speed traces, sector deltas, throttle and brake, gear usage, lap delta, race pace, and tire degradation.
- Shipped a FastAPI backend (FastF1, Pandas) with endpoints for seasons, events, sessions, drivers, and telemetry comparisons; deployed React and TypeScript UI on Cloudflare Pages and API on Oracle Cloud, including cached Quick Start races for instant loading and AI-generated key takeaways.

**Keyword Extraction and Insights from URLs**

Jan 2025 - Jun 2025

- Built an ETL pipeline in Python and AWS to extract keywords from 1M+ URLs; generated BERT embeddings and applied k-means clustering for topic discovery and trend analysis.
- Created Tableau dashboards and supported A/B test analysis on targeting and messaging, contributing to a 12% increase in sales.

**Time Series Forecasting of Household Power Consumption**

Jun 2024 - Nov 2024

- Processed 2M+ rows of time-series data and engineered 15+ features; handled missingness using MICE and forward fill.
- Benchmarked ARIMA, SARIMA, and LSTM against a naive seasonal baseline using nested cross-validation; compared MAE and RMSE across multiple forecast horizons.

## Hackathons

**SparkPath - AI For Good Hackathon** (3rd Place)

Nov 2025

- Built an AI-powered career discovery platform using React, TypeScript, AWS Bedrock (Claude 3), and DynamoDB with real-time chat via Socket.io. [[Devpost](#)]

## Certifications

Oracle Cloud Infrastructure Data Science Professional [[Credential](#)] | Google Advanced Data Analytics