

JEEL KAUSHIKBHAI PATEL

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EDUCATION

Master of Science in Business Analytics & AI

Stevens Institute of Technology, School of Business, Hoboken, NJ

Expected: May 2027

GPA: 3.80/ 4.00

Bachelor of Technology in Computer Science & Engineering

Indus University, India

May 2025

GPA: 3.40/ 4.00

SKILLS

Programming & Databases: Python, SQL, MySQL, DuckDB, SQLAlchemy

Analytics & Modeling: Pandas, NumPy, Scikit-learn, XGBoost, SHAP, K-Means Clustering, Time-Series Forecasting, Causal Inference (Difference-in-Differences), A/B Testing

BI & Visualization: Tableau, Power BI, Streamlit, Excel (VBA, Macros, Pivot Tables), Matplotlib, Seaborn

Data Engineering & Tools: dbt, Git/GitHub, LLM APIs, REST APIs, SAP Signavio, Disco, Simul8, Google Suite

WORK EXPERIENCE

Graduate Assistant

School of Business, Stevens Institute of Technology

Jan 2026 - Present

Hoboken, NJ

- Built and maintained Excel-based syllabus tracking systems across 5+ undergraduate courses supporting 15 faculty, cutting reporting turnaround by an estimated 30% through standardized templates and automated deadline tracking.
- Delivered recurring weekly and monthly reports that turned raw academic data into decision-ready updates and tracked milestones and submission discrepancies across multiple workstreams to keep stakeholder reviews on schedule.

Data Analytics & Operations Intern

Sahana System Limited

Jun 2024 - Aug 2024

Ahmedabad, India

- Diagnosed and automated 3 manual monitoring workflows using Python and cloud reporting tools, cutting operational overhead by 24% and saving roughly 18 hours per week across 2 cross-functional teams.
- Maintained cloud-based analytics systems and internal dashboards used by business and operations teams and partnered with stakeholders to redesign data workflows and improve SLA compliance on recurring requests.

Machine Learning & Database Intern

VisuAreal

Jun 2023 - Aug 2023

Ahmedabad, India

- Designed and optimized relational database schemas for a production ML project serving enterprise clients, applying SQL normalization and indexing that improved data retrieval efficiency by 30%.
- Built feature engineering and model evaluation pipelines in Python (Pandas, Scikit-learn) across large-scale datasets, enabling deployment-ready ML outputs for client applications.

PROJECTS

Airline Route Competition & Fare Response Analysis

- Quantified how much incumbent airlines cut fares when a low-cost carrier enters a route, analyzing 272M ticket records across 319 entry events to inform route defense and pricing decisions.
- Built a reproducible analytics pipeline in dbt and DuckDB with 155 automated data quality tests, reducing a multi-source ingestion and modeling workflow to a single verified command.
- Segmented entry events into three competition types, isolating a \$22 peak fare decline under sustained entry versus no lasting effect from short-lived entry, and recommended against a planned extension after validation showed accuracy below its own baseline.

NYC Construction Cost Overrun Analyzer

- Analyzed 5,515 NYC capital projects to quantify \$65.2B in citywide cost overruns, benchmarking budget-versus-actual variance by agency, borough, and project size to identify where public spending leaks.
- Surfaced that one agency ran a median 108.8% over budget with 75% of its 890 projects excessively over, and that \$10M-\$50M projects were the worst-performing size bucket at a 14.3% median overrun.
- Built a 5-phase automated pipeline from API ingestion to 7 reporting views in MySQL, documenting data caveats so stakeholders could judge which findings were defensible.

S&P 500 Business Health & Performance Analyzer

- Built an automated financial health scoring pipeline for 30 S&P 500 companies across 3 sectors, reducing manual benchmarking from days to minutes.
- Engineered 6 performance metrics with percentile normalization within sector peer groups and applied K-Means clustering to segment companies into Thriving, Stable, and At-Risk tiers, showing that revenue size does not predict financial strength.
- Delivered findings through a 4-page interactive Tableau dashboard and a 3-tab Excel scorecard, letting non-technical stakeholders benchmark any company against sector peers in under 5 minutes.