JAYNENDER SINGH

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EDUCATION

M.S. in Business Analytics — Expected Jan 2026
Boston University, Questrom School of Business, Boston, MA — GPA: 3.54/4.0
B.Tech in Mechanical Engineering — May 2022
Vellore Institute of Technology, Vellore, India — GPA: 3.59/4.0

WORK EXPERIENCE

Azure DevOps Engineer — June 2025 – Dec 2025
Western Alliance Bank (AgreeYa Solutions), Boston, MA (Remote)

- Built Azure DevOps CI/CD using YAML stages (build/test/deploy) and shared templates, standardizing Dev/UAT/Prod releases and improving go-live readiness for Fusion-integrated services.
- Improved ServiceNow Standard Change automation via Python/REST to detect and reuse open changes during retries, reducing duplicate records and improving audit clarity for production promotions.
- Applied Terraform IaC by importing existing Azure resources and validating state in Terraform Cloud, enabling reviewable infrastructure changes and reducing configuration drift.
- Owned reliability for scheduled pipelines by monitoring daily runs, enforcing unit-test pass thresholds as quality gates, and automating cross-org repo sync to support safe sandbox experimentation.

Analyst, *Strategy and Analytics* — Sep 2022 - Aug 2024
Deloitte, Bengaluru, India

- Defined KPIs by analyzing mockup reports and mapping requirements to OTBI/FDI subject areas across finance, procurement, and HR, aligning metrics to strategic goals and streamlining reporting.
- Developed interactive dashboards in Oracle Fusion Data Intelligence / OAC, improving decision-making and achieving 15% enhancement in visibility across supply chain and HR/financial views.
- Expanded Oracle's semantic layers extensively, enabling detailed, comprehensive, and user-friendly visual analytics, improving stakeholder understanding, report usability, and overall data-driven decision-making.
- Ensured high data integrity by conducting rigorous validation processes using Oracle Transactional Business Intelligence (OTBI), improving data reliability, accuracy, and reporting precision by approximately 20%.

PROJECT EXPERIENCE

MBTA Delay Analytics Pipeline, *Deploying Analytical Pipelines*
Boston University, Questrom School of Business, Boston, MA — Sep 2025 - Dec 2025

- Orchestrated Airflow DAGs to ingest MBTA API data into GCS and publish curated BigQuery tables, enabling repeatable analytics and ML-ready datasets for downstream reporting.
- Built an HTTP Cloud Function to flatten nested JSON, infer schema, and load BigQuery landing tables, reducing manual wrangling and improving join consistency across routes, trips, and predictions.
- Tuned an XGBoost delay classifier (Accuracy 0.784, F1 0.598, Recall 0.69) and built a Streamlit + BigQuery dashboard to visualize delay risk by route/time and highlight top drivers of late arrivals.

Trends and Transitions: NCAA Basketball Player Performance in the NBA, Business Analytics Toolbox
Boston University, Questrom School of Business, Boston, MA — Oct 2024 - Dec 2024

- Developed an analytic framework using dimensionality-reduction on NCAA and NBA player datasets, uncovering key factors influencing player success to guide recruitment decisions.
- Built Tableau dashboards showing player archetypes, trends, and key performance metrics.
- Cleaned and joined multi-season NCAA/NBA datasets in Python/SQL, engineered features, and segmented player archetypes using PCA + clustering to support evidence-based scouting insights

Airbnb Price Prediction, *Supervised Machine Learning*
Boston University, Questrom School of Business, Boston, MA — Oct 2024 - Dec 2024

- Performed comprehensive data preprocessing and feature engineering with Python (scikit-learn), significantly enhancing data accuracy, reliability, and the effectiveness of predictive analytics for pricing recommendations.
- Developed and optimized a Gradient Boosting Regressor model (RMSE: 0.36, R^2: 0.72), identifying key property attributes influencing rental pricing to support competitive positioning and revenue growth.

SKILLS

Technical Skills: Oracle Fusion Cloud (SCM, HCM, Financials),Python (Pandas, Seaborn, Matplotlib, scikit-learn, TensorFlow), SQL, Tableau, Power BI, Oracle Fusion Data Intelligence, Oracle Analytics Cloud (OAC), Google Colab, Google Cloud Platform, RFM Analysis, PCA, K-Means, Gradient Boosting, LDA, Market Basket Analysis, Feature Engineering, Azure DevOps.