

Nishant Iyer

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SUMMARY

Senior Associate at Capital One with five years in data analytics across banking, consumer goods, higher education and media. I build SQL and Python pipelines, BI dashboards and machine learning models, and present the results to business stakeholders so they can act on them.

EXPERIENCE

Senior Associate | Capital One, Plano, TX Jul 2025 – Present

- Analytics for the Refinance line of business (ReFi LOB), turning large data sets into reporting and analysis that support business decisions.

Graduate Student Assistant (part-time) | Temple University, Philadelphia, PA Jan 2024 – May 2025

- Automated weekly lead reports with Excel VBA, saving 8+ hours a month and catching data issues sooner.
- Built Tableau dashboards for the enrollment funnel and ran A/B tests on campaigns, lifting webpage conversion 12% and engagement 20%.
- Cleaned and categorized lead data with Python (pandas) and VBA, reaching 99% accuracy for cross-department reporting.

Product Analytics Consultant | Unilever, Englewood Cliffs, NJ Jul 2024 – Dec 2024

- Designed an Azure ETL pipeline (Data Lake, Databricks) to detect anomalies in 10–15M bi-weekly P&L records, identifying \$3M in cost-saving opportunities surfaced through Power BI dashboards.
- Improved Personal Care forecast accuracy from 85% to 97.4% with an XGBoost model combining P&L and POS data.
- Reached 96% Week-1 forecast accuracy for Nutrition, cutting excess inventory costs 25% and stockouts 18%.

Associate | GroupM (Wavemaker), Mumbai, India Jan 2022 – Jun 2023

- Reallocated \$3M in cross-channel budgets for Colgate-Palmolive using SQL media mix models and Markov chain attribution, increasing ROAS 22% and reducing CPA 15%.
- Built customer lifetime value (CLV) models in SQL for retention campaigns that reduced churn 18%.
- Identified 15% untapped market potential through demographic analysis and stakeholder interviews, guiding a \$1.2M campaign portfolio.

Associate | First Economy, Mumbai, India Mar 2021 – Jan 2022

- Automated reporting with Excel macros and Google Data Studio, cutting reporting errors 70% and saving 40+ hours for four apparel brands.
- Managed Google and Meta Ads campaigns for apparel brands, doubling click-through rates.

SELECTED PROJECTS

- Credit card fraud detection:** Stacking ensemble with an autoencoder anomaly signal; alert threshold set to minimize business cost. 75% lower fraud cost than no model.
- Wellbore geology prediction (Kaggle):** Geology-constrained Viterbi path matching for rock-layer depth; 12.4 ft RMSE on held-out wells, 37% below baseline.
- Airline satisfaction prediction (Kaggle):** LightGBM, XGBoost and CatBoost blend with leak-free target encoding; 0.9604 ROC AUC.
- Global distribution center placement:** Facility location across 1,000 cities in 129 countries using K-Medoids and a mixed-integer solver.

EDUCATION

M.S. Business Analytics (STEM) | Temple University, Fox School of Business May 2025

Integrated M.Tech., Biotechnology | D.Y. Patil University, Navi Mumbai Sep 2020

SKILLS

Languages and data: SQL, Python (pandas, NumPy), PySpark, Databricks, Azure, Excel VBA · **BI:** Power BI, Tableau, Looker Studio · **Machine learning:** scikit-learn, XGBoost, LightGBM, PyTorch, SHAP · **Apps:** Streamlit, FastAPI, Docker, Git