

Vedant Vijay Shinde

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EDUCATION

Master of Science in Information Systems

Expected Completion: 05/2026

Stevens Institute of Technology | Hoboken, NJ, USA | GPA: 4.0 | **Master's Scholarship Award**

Coursework: Data Analytics and Machine Learning, Marketing Analytics, Supply Chain Analytics

Bachelor of Engineering in Information Technology

Completed: 05/2024

University of Mumbai | Mumbai, MH, India

TECHNICAL SKILLS

Programming: Python (Pandas, NumPy, scikit-learn), SQL

Machine Learning: Regression and Classification Models (LightGBM and XGBoost), Customer Segmentation (Clustering)

Data Visualization and Reporting: Excel (PivotTables, XLOOKUP, Advanced Formulas, Charts), Tableau, Power BI, Plotly

Cloud and Developer Tools: AWS EC2, GitHub, Jupyter Notebook, MySQL, PostgreSQL, Node.js

PROFESSIONAL EXPERIENCE

Stevens Institute of Technology | Hoboken, NJ, USA

Graduate Research Assistant | *Data Visualization and Insights*

11/2025–Present

- Create a multi-city analytics architecture that standardizes fairness metrics, decile ranks, and peak/off-peak service patterns across 12+ cities, enabling faster cross-region comparisons and more consistent decision-making for transportation planners
- Produce Python-driven visuals—including drift indicators, mismatch maps, and infrastructure-to-usage overlays—that uncover localized service gaps, empowering stakeholders to prioritize deployment and reduce underserved-zone complaints
- Streamline operational reporting by building an automated workflow that generates 15+ geospatial and supply-demand visuals per city, cutting manual analysis time and supporting rapid iteration during policy reviews

Stevens Institute of Technology | Hoboken, NJ, USA

Summer Research Assistant | *Big Data Analytics and Insights*

05/2025–07/2025

- Constructed a large-scale ETL pipeline (Python + AWS EC2) to ingest and clean millions of real-time mobility records from 8 systems, improving data reliability and enabling teams to run downstream analytics without pipeline failures
- Engineered geospatial and statistical models that exposed 30% lower vehicle availability in disadvantaged neighborhoods, giving leadership a measurable basis for rebalancing fleet allocation and reducing wait times
- Synthesized temporal, supply, and demand KPIs into dynamic Power BI dashboards that highlighted peak-hour shortages, helping resource teams plan capacity improvements tied directly to predicted rider spikes

Terna Engineering College | Navi Mumbai, MH, India

Undergraduate Assistant | *Inventory & Demand Forecasting*

09/2023–04/2024

- Implemented an SQL-driven auditing system tracking 500+ vendor purchase orders, flagging discrepancies and reducing supplier-related delay escalations by giving procurement clear visibility into order reliability
- Extracted workflow bottlenecks by analyzing 200+ unstructured operational notes, guiding department leads to revise processes
- Identified 18 high-value product affinity patterns from 5,000+ transactions, informing a new store-layout strategy that increased bundle opportunities and improved promotional targeting

PROJECTS

Industry Capstone Project | *AI-driven Personalization Strategy for the Webster*

08/2025–Present

- Developed a GPT-style fashion recommender trained on a 25,000-product dataset, generating contextual outfits based on style, budget, and occasion—helping retail teams scale personalized styling without additional human labor
- Formulated a style-weighting system using influencer aesthetic profiles, improving product-match relevance and enabling more engaging, conversion-driven recommendations for shoppers on the platform

Grocery – AI Grocery Assistant | *Retail Analytics & LLM-Based Recommendation Engine*

09/2025–11/2025

- Launched an AI grocery assistant using Node.js, React UMD, and Ollama capable of SKU-aware recipe planning, price-based substitutions, and nutrition insights—mirroring functionality used by modern retail personalization tools
- Orchestrated a retail-grade ETL pipeline for fuzzy ingredient matching, unit standardization, and price/calorie enrichment across 600+ grocery products, supporting accurate meal costing and enabling data-driven promotions, and upsell opportunities

CERTIFICATIONS

Microsoft Certified: Power BI Data Analyst Associate (PL - 300) ([Microsoft](#)) | Google Data Analytics Specialization ([Coursera](#))