Vedant Vijay Shinde

Jersey City, NJ | 201-668-7085 | vshinde1@stevens.edu | Portfolio | LinkedIn | Github

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
- Crafted Python-based fairness visuals—drift indicators, demand–supply mismatch maps, and infrastructure-to-usage overlays—to identify neighborhood-level micromobility service inequities
- Architected a multi-city visualization framework that standardizes decile ranks, peak/off-peak heatmaps, and fairness time-series, enabling consistent equity analysis across 12 cities and multi-day datasets
- Automated a reproducible Python pipeline that generates 15+ usage, availability, idle-time, and accessibility visuals per city, reducing manual work by 80% and accelerating fairness audits

Stevens Institute of Technology | Hoboken, NJ, USA
Summer Research Assistant | *Big Data Analytics and Insights* 05/2025–07/2025
- Built an automated data pipeline with Python and AWS EC2 to accurately process millions of real-time data points from 8 micromobility systems that enabled large-scale transportation fairness analysis
- Applied statistical modeling and geospatial analysis in Python to engineer a quantitative framework that assessed vehicle distribution and identified systemic service inequities across diverse neighborhoods
- Conducted a multivariate Power BI analysis combining geospatial, temporal, and supply metrics, identifying a 30% lower vehicle availability in underserved zones and uncovering peak-time shortages and systemic service gaps

Terna Engineering College | Navi Mumbai, MH, India
Undergraduate Assistant | *Inventory & Demand Forecasting* 09/2023–04/2024
- Enhanced supply chain reliability by developing an SQL-based auditing system to monitor 500+ vendor purchase orders, flagging data discrepancies and shipment delays to improve supplier accountability
- Performed Python text analysis on 200+ unstructured notes to extract operational insights and streamline internal workflows
- Executed a market basket analysis on 5000+ transactions to identify purchasing patterns, uncovering 18 significant product associations that drove a strategic redesign of in-store product placement and promotional bundling

PROJECTS

Industry Capstone Project | *AI-driven Personalization Strategy for the Webster* 08/2025–Present
- Engineered a custom GPT-style fashion recommender by integrating a 25,000-product CSV dataset with LLM-driven outfit generation, enabling context-aware suggestions based on occasion, budget, and user style preferences
- Built an influencer-style weighting system by analyzing the aesthetic patterns of 15–20 real influencers, tagging products with color/style vectors, which increased personalized outfit relevance by prioritizing stylistically aligned items

Grocerly – AI Grocery Assistant | *Retail Analytics & LLM-Based Recommendation Engine* 09/2025–11/2025
- Developed an AI grocery assistant using Node.js, React UMD, and Ollama, delivering SKU-aware recipe recommendations, nutrition insights, and cart analytics across 600+ normalized grocery products
- Engineered a retail-grade ETL pipeline for fuzzy ingredient matching, unit normalization, and product enrichment (price, calories, macros) to support accurate meal costing and inventory-aware substitutions

CERTIFICATIONS

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