Vandan Patel

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EDUCATION

Rutgers Business School   **New Brunswick, NJ**
Bachelor of Science in Finance and Computer Science   *May 2027*
Bachelor of Arts in Data Science
- **GPA:** 3.94 | **Honors:** Rutgers Honors College, Dean's List (All Semesters)

WORK EXPERIENCE

Moweb Technologies   **Secaucus, NJ**
Intern, Data Team   *Jul 2025 – Aug 2025*
- Developed ETL workflows in dbt-core and SQL, fixing null conflicts and reducing pipeline failures from 20+ weekly to <1
- Delivered optimized financial metric extraction for client reporting, reducing processing times by 40% for real-time analysis
- Directed LLM integration across team workflows, designing workshops that decreased manual reconciliation time by 30%

Kaktus Sportswear   **Carlstadt, NJ**
Intern, Financial Operations   *Jul 2024 – Aug 2024*
- Initiated cost structure analysis of shipping and inventory purchases, identifying inefficiencies leading to 15% cost reduction
- Implemented month-end close process optimizations by implementing automated financial reconciliation, reducing processing time by 25% while eliminating manual errors and strengthening the accuracy of $300K+ monthly transaction reconciliations
- Investigated vendor payment fluctuations to bolster audit readiness and mitigate risks associated with financial discrepancies

PROJECTS

Algorithmic Stock Trading | *Self-Guided, Volatility & Price Action-Based Strategies*   *Nov 2024 – Present*
- Structured algorithmic trading bot using Python and Alpaca API, back tested daily across 100+ simulations, optimizing execution for risk-adjusted performance and capital efficiency
- Strategized risk-adjusted execution through dynamic position sizing and stop-loss optimization, sustaining a consistent 10% return in paper trading while minimizing volatility exposure per day for 5 consecutive days
- Synthesized trade signals by analyzing historical volatility trends and intraday price action, achieving a Sharpe ratio of 1.7

OroGenie | *Market Data Aggregation & Trading Analytics Platform*   *Jun 2024 – Aug 2024*
- Engineered full-stack financial analytics platform using React and Flask, executing 500+ real-time transactions via WebSocket
- Established a distributed data pipeline integrating Yahoo Finance and Webull APIs, enabling real-time market data aggregation
- Enhanced SQL-driven portfolio analytics, evaluating performance trends, asset allocation, and risk exposure to support risk-managed trading strategies and quantitative trading analysis

LEADERSHIP AND COMPETITIONS

Rutgers Shark Tank – "PerkPal"   **Piscataway, NJ**
Business Development Lead, Startup Competition Finalist   *Mar 2025*
- Led cross-functional team of 3 to finalist position (top 6 of 30+ teams) in university-wide entrepreneurship competition
- Developed business case for rewards consolidation platform, identifying $2.4B+ opportunity in fragmented loyalty programs
- Presented venture pitch to investor panel, securing finalist recognition for platform's scalability and revenue potential

Bender Trust Project - LIBOR   **New Brunswick, NJ**
Financial Manager, Investment Analysis Competition   *Nov 2024*
- Built bottom-up income statement model including scenario analysis and market trends, projecting 5-year growth trajectories
- Presented findings to industry professionals, showcasing analysis of investment risks and mitigation strategies for Ryanair
- Gained hands-on experience in financial modeling, industry research, and cohesive group collaboration under tight deadlines

Jang Star Taekwondo   **Jersey City, NJ**
Class Instructor, 1st Degree Black-Belt   *Nov 2014 – Apr 2023*
- Led classes for students of all ages and skill levels, including those with learning difficulties, by adapting teaching methods
- Achieved 100% trial student return rate by implementing personalized learning techniques and enhancing client retention strategies, resulting in a 30% increase in client acquisition and revenue growth

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Python (financial modeling), SQL, Microsoft Suite (Excel, PowerPoint, Word), Bloomberg Terminal, React
Financial Skills: Financial Modeling, Valuation (DCF, comparable companies), Financial Statement Analysis, Risk Management
Certifications: Data Build Tool Fundamentals, Bloomberg Market Concepts
Activities & Interests: Quant Finance Club, DECA, Entrepreneurship, Mountain Biking, RU Sangam, LIBOR
Languages: Gujarati, Hindi, Basic proficiency in Spanish