Shawn Brar
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PROFESSIONAL SUMMARY

Finance-focused early-career analyst with a background in Mathematical Economics and Data Science, seeking roles across investment analysis, risk, research, and strategy. Experienced in applying economic reasoning, financial analysis, and data-driven methods to evaluate performance, assess risk, and support decision-making. Skilled in transforming complex financial and operational data into actionable insights that improve efficiency and strategic outcomes.

WORK EXPERIENCE

180Degrees Consulting - Hempstead, NY | ***Consultant, Strategy & Research*** **September 2022 - May 2024**

- Conducted structured research and analysis to support strategic recommendations for nonprofit and academic clients
- Evaluated organizational performance, resource allocation, and operational constraints to inform decision-making
- Developed client-ready presentations and reports, translating analysis into actionable insights

EDUCATION

CFA (Chartered Financial Analyst) Level 1 Candidate | Exam Date: February 2026
Hofstra University | M.S in Data Science | Dec 2025 | GPA: 4.00
Hofstra University | B.A in Mathematical Economics, Minors in Comp Sci & Engg | May 2024 | GPA: 3.40

CAPSTONE PROJECT

AI-Driven Investment Strategies: Machine Learning Application in Asset Allocation & Risk Management
MS Data Science Capstone With Prof. Corey Elowsky, Hofstra University

- Built an investment research framework integrating macroeconomic, sentiment, and price data to evaluate return and risk dynamics
- Analyzed forward returns and volatility to inform asset allocation decisions across equities
- Applied portfolio optimization techniques to study risk-adjusted outcomes and dynamic weighting strategies

PROJECTS

Evaluating the Impact of Effective Federal Funds Rate Changes on Sectoral Stock Market Performance

- Analyzed sector-level equity responses to changes in monetary policy
- Assessed interest rate sensitivity to inform economic and market analysis

2008 Financial Crisis Risk Analysis Using Equity Factor Data

- Analyzed equity risk factors during the 2008 financial crisis to assess drivers of market stress, sector impact, and firm-level outcomes
- Evaluated the predictive power of valuation, leverage, volatility, and earnings variability while accounting for survivorship bias

Financial Dashboard Development for GRAB Holdings (2019-2024)

- Built a Tableau dashboard visualizing GRAB's Income Statement, Balance Sheet, & Cash Flow trends using multi-year financial data

SKILLS/CERTIFICATIONS & INTERESTS

Investor: Manage a personal portfolio applying macroeconomic analysis, sector rotation, and options-based risk management
Other Interests: Weightlifting, golf, running, and biking
Programming & Analytics: Python, R, SQL, HTML5 & CSS3, Java, STATA, MatLab, Selenium
DS Libraries / Databases: Pandas, NumPy, Scikit-learn, Seaborn, Statsmodels, OrientDB, PostgreSQL, MongoDB, AWS
Tools & Visualizations: Excel, Tableau, Jupyter Notebooks, Google Colab, Trello, Jira
Certifications: IBM DS Professional, CFI: FMVA, PWC US Audit, Microsoft: Excel Associate, Mosh: HTML5 & CSS3