Shivam Singh

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EDUCATION

George Mason University **Fairfax, VA**
Major: Bachelor of Science, Finance – Cumulative GPA: 3.7 *Expected Graduation: May 2030*
Relevant Coursework: Business Analytics I, Calculus III, Introduction to Computer Programming, Macroeconomic Principles, Microeconomic Principles

Thomas Jefferson High School for Science and Technology (TJHSST) **Fairfax, VA**
Advanced Diploma – Cumulative GPA: 3.7 *Expected Graduation: Jun 2026*
Honors/Awards: Continental Math League (3rd Place), Math Olympiad (1st Individual, 2nd Team), Science Olympiad – Meteorology (1st, State and Regional), Virginia Math League (2nd Place)
Relevant Coursework: AP Calculus BC, AP Physics, AP Statistics, Artificial Intelligence, Prototyping/Engineering Labs

EXPERIENCE

Montano Student Managed Investment Fund (SMIF), George Mason University **Fairfax, VA**
Associate Analyst, Investment Banking / Valuation Track *Oct 2026 – Present*
- Completed a six-week Associate Analyst training program (accounting, corporate finance, valuation, stock pitching), applied to live coverage of an assigned position in the fund's ~$490K portfolio
- Constructed an integrated three-statement model linking the income statement, working capital, and capex schedules to project 5+ years of free cash flow for a portfolio equity position
- Developed a football-field valuation triangulating DCF, comparable-company, and trading-multiples analysis to frame a defensible valuation range, presented to senior fund leadership
- Executed company and industry due diligence within an assigned GICS sector, distilling findings into an investment memo that informed a capital-allocation decision

Exeter22, Quantitative Hedge Fund
Strategy & Markets Research Intern *Jun 2025 – Jul 2025*
Placement via the Harvard Undergraduate Ventures-TECH Summer Program (HUVTSP)
- Selected for a competitive internship at Exeter22, a quantitative hedge fund trading commodities, equities, and crypto; worked within a 9-person team on strategy research and analytics for the firm's systematic trading desk
- Researched, defined, and compared five systematic trading strategies (momentum, mean reversion, event-based, factor-based, and long/short) across risk, signal reliability, and implementation feasibility to inform capital allocation across the investable universe
- Applied return on invested capital and debt-to-equity screening to 15 public equities, a due-diligence framework for identifying capital-efficient, lower-risk candidates for inclusion
- Helped backtest the combined strategy across 15 public equities over a ~2.5-year window, achieving a 1.31 Sharpe ratio, 58.7% win rate, and -6.6% max drawdown, validating the investment thesis

Virginia Tech Center for Quantum Information Science and Engineering **Blacksburg, VA**
Quantitative Research: Space-Curved Quantum Control Beyond the RWA *Sep 2025 – Jun 2026*
- Built a mathematical model of a driven two-level system (qubit) using calculus, differential equations, and linear algebra, then solved a constrained design problem to derive a noise-cancelling control pulse, Ω(t) = (sin t · cos t)^n
- Developed a Python simulation and stress-tested the new method against the standard approach by sweeping an error parameter (detuning) and comparing accuracy across the full range, demonstrating robust error reduction

LEADERSHIP & PROFESSIONAL DEVELOPMENT

PASTA (Peers and Students Taking Action) **Ashburn, VA**
Chapter Leader *Apr 2021 – Present*
- Lead six student volunteers, each executing an individual community-impact project across multiple local initiatives

OTHER SKILLS & INTERESTS

Computer: Microsoft Excel (financial modeling, three-statement models, comparable-company and DCF analysis), PowerPoint, Python (data analysis), SQL, Bloomberg Terminal, Portfolio Monitoring
Certifications: Bloomberg Market Concepts (BMC), Microsoft Office Specialist (MOS): Excel Associate
Interests: Automotive Electronics, Basketball, Fitness, Soccer