

# KUNAL SINGH

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## PROFESSIONAL SUMMARY

Finance professional experience in managing simulated equity portfolios, performing detailed financial modeling, and conducting investment research. Managed a simulated \$1M equity portfolio, outperforming benchmarks by +4.2%. Developed comprehensive DCF valuation models have highlighted an 18% stock overvaluation. Conducted credit analysis on corporate bonds measuring key metrics (YTM, duration, convexity). Executed market research analytics at Toyota, identifying a 69% customer dissatisfaction rate in merchandise display, leading to actionable operational improvements. Proficient in Python, Excel (VBA), and Bloomberg Terminal.

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## EDUCATION

**Stevens Institute of Technology, Hoboken, NJ**

*Master of Science in Finance* — GPA: 3.7/4.0

**Key Courses:** Equity Research, Portfolio Management, Fixed Income, Derivatives, Investment management

**University of Jammu, Jammu, India**

*Bachelor of Business Administration*

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## EXPERIENCE

**Market Research Intern – Shree Toyota** Jammu, India

- Analyzed survey data from 120 customers, measuring satisfaction across 13 key metrics.
  - Identified operational weaknesses: 69% dissatisfaction in visual merchandising, 80% satisfaction in post-sale customer service.
  - Delivered data-driven insights, prompting dealership process enhancements and redesigned customer engagement strategies.
  - Developed Excel dashboards reducing reporting time by 25% and clearly communicating actionable insights to senior management.
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## INVESTMENT & ANALYSIS PROJECTS

**Portfolio Manager – \$1M Dual-Beta Equity Strategy (Simulated)**

- Managed a diversified \$1M portfolio, achieving +4.2% alpha against S&P 500 benchmark.
- Implemented sector rotation based on macroeconomic analysis and beta-balancing to optimize Sharpe ratio by 15% and manage volatility.
- Produced monthly performance attribution reports tracking alpha contributions by sectors and market factors, improving transparency by 20%.

**Equity Research Analyst – Graco Inc. (NYSE: GGG)**

- Built a full 3-statement and DCF model, uncovering a \$31.65 overvaluation with an implied 12-month downside of 18%
- Conducted peer comps (EV/EBITDA, P/E, P/S), margin trend analysis, and beta-sourced CAPM valuation sensitivity tables
- Authored 12-page research report integrating quantitative valuation, downside risk map, and fundamental thesis

**Fixed Income Analyst – Northrop Grumman Corporate Bonds**

- Valued Corp bonds via YTM, mod duration, convexity; modeled price shifts under parallel/twist scenarios
  - Benchmarked credit vs. Lockheed, Raytheon, Boeing using coverage ratios & CDS spreads (Bloomberg)
  - Developed a strategic hedging recommendation reducing potential credit exposure by 25% based on Federal Reserve interest rate forecasts and expected credit spread movements.
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## TECHNICAL SKILLS

**Valuation & Analysis:** DCF, LBO, 3-Statement Modeling, Comparable Company Analysis, Bond Pricing, Duration/Convexity

**Tools & Platforms:** Bloomberg Terminal, Capital IQ, Excel (Solver, VBA, Forecasting), Python (Pandas, NumPy, Matplotlib), SQL

**Finance Analytics:** KPI Benchmarking, Scenario & Sensitivity Analysis, Performance Attribution, ESG Integration, Credit Risk Modeling