Sharang Mantri

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CFA Level III Candidate & MS Finance Graduate (4.0 GPA) proficient in Python, R, and Valuation. Quantamental Analyst with proven 45% relative outperformance, seeking roles in Asset Management, Quant Research, IB, or Corporate Strategy

Education

University of Illinois Urbana-Champaign, Gies College of Business — **Champaign, IL**
Master of Science in Finance (STEM designated program), GPA: 4.00/4.00 — Dec 2025

Awards: MSF Academic Excellence Award, Beta Gamma Sigma Honor Society, Phi Kappa Phi Honor Society
Credentials: CFA Level 3 Candidate (Passed L1 and L2 in 1st attempt)

Indian Institute of Technology Bombay (IITB) — **Mumbai, India**
Bachelor of Science in Economics — July 2023
Rank: All India Rank (AIR) of 1458 in JEE-Advanced among 230k aspirants (Top 0.62%)

Work Experience

Shree Financial Services — **Mumbai, India**
Equity Research Analyst and Trader — Jul 2023 – Jul 2024
- Engineered a proprietary trading strategy capitalizing on cyclical and seasonal stock trends, successfully delivering 45% relative outperformance over benchmark in FY 2024 and performed football field sensitivity analysis for portfolio stocks
- Analyzed 50+ Banking/Infra stocks (Python, CapIQ); built 10-year DCFs to optimize client portfolio allocations

Research Analyst Intern — May 2022 – Jul 2023
- Executed multivariate regression analysis quantifying the impact of 10+ macroeconomic drivers on INR/USD and INR/EUR valuations, applying findings to optimize currency risk hedging strategies for global asset portfolios
- Conducted fundamental analysis and CAPM modeling on 30+ equities to evaluate risk-adjusted return potential

Opulence Business Solutions — **Ahmedabad, India**
Financial Analyst Intern — May 2021 – Aug 2021
- Developed integrated financial models using Python & Excel for a client's Fintech Hedge Fund launch, simulating multiple scenarios to forecast the financial impact of acquisition strategies and AUM scale-up to drive revenue growth
- Diagnosed 5 macro-micro inefficiencies and proposed fintech solutions to streamline legacy fund operations

CoolAge App — **Mumbai, India**
Business Development Analyst Intern — Jun 2020 – Aug 2020
- Identified three key growth areas through econometric modeling, boosting venture capital interest in the startup

Research Project

Real Client Managed Portfolio — Jan 2025 – Dec 2025
- Managed a $500K real-client equity portfolio using a Quantamental top-down approach, forecasting 6–9 month business cycles via custom econometric and Machine Learning models to estimate inflation and growth trends in US economy
- Executed rigorous valuation using 10-year DCF modeling and Monte Carlo simulations to pitch high-conviction positions ($LLY, $PEP), rebalancing the portfolio to align fundamental intrinsic value with projected macro-regime signals

Investment Clock & Macro-Regime Asset Allocation — Aug 2025 – Nov 2025
- Designed a macro framework utilizing OECD G7 leading indicators and inflation to classify business cycle phases
- Evaluated 30-year historical returns across Asset Classes, Sectors, and Countries, quantifying performance spreads to define the optimal strategic allocation and rotation playbook for every economic regime and market condition

Cook County Housing Price Prediction (Machine Learning/R) — Oct 2025 – Nov 2025
- Architected a sophisticated Automated Valuation Model (AVM) in R by ensembling Random Forest and Neural Networks, employing target encoding to handle high-cardinality geospatial data and capture non-linear market variance
- Optimized out-of-sample RMSE by deploying advanced imputation algorithms to resolve missing demographic data

Valuation of Complex Financial Derivative Product (Python) — Jan 2025 – May 2025
- Engineered sophisticated pricing engines (Black-Scholes, Binomial Trees, Monte Carlo) to value 9+ complex structures, including Autocallable Barrier Notes and Memory Coupon products linked to Oracle, Lockheed Martin, and S&P 500
- Quantified valuation errors against issuer term sheets by modeling path-dependent payoffs and Greek sensitivities

Indian Institute of Technology Bombay (IITB), Undergraduate Research Thesis — Sep 2022 – Jul 2023
- Deployed advanced econometric models (VECM, ADF) in Stata to analyze monthly time series (1997–2023), identifying that rising Gold, CPI, and Forex reserves appreciate INR while Money Supply (M3) growth depreciates it
- Investigated currency volatility during global shocks (Dot-Com, GFC) to isolate structural breaks on FX equilibrium

Deutsche Bank, Manch 4.0 — Oct 2020 – May 2021
- Selected (Top 10% of 500+) to engineer an enhanced Beta estimation model for Emerging Market equities, recalibrating CAPM parameters to correct pricing irregularities and improve alpha precision
- Validated the adjusted framework by backtesting against 10+ NSE stocks, isolating actionable risk-return insights

Leadership

- General Secretary, Economics and Humanities Department, IIT Bombay — Apr 2021 – Jun 2022
- General Secretary Associate, Economics and Humanities Department, IIT Bombay — Aug 2020 – Mar 2021
- Associate Secretary, Economics and Humanities Department, IIT Bombay — Apr 2019 - Jul 2020

Technical Skills: Python, R, Machine Learning, Financial Modeling, Big Data, Bloomberg, Econometrics, Monte Carlo, Derivatives Pricing, Asset Allocation, Economic Analysis, Portfolio Management, Financial Analysis, Excel (VBA)