AUROKRISHNAA RAVINDRAN LAKSHMI

New York, USA | +17164658491 | aurokrishnaa2000@gmail.com | Aurokrishnaa | Aurokrishnaa

MS Finance (Quant) & MBA (Finance / HR) graduate with robust experience in investment analysis, risk management & fixed-income valuation. Hands on with LSEG Yieldbook, portfolio optimization, derivatives & data driven decision making. Experience in supporting strategy across academic & institutional finance environments. (Willing to Relocate)

SKILLS

- **Technical:** Financial Modeling, Portfolio Optimization, Budgeting & Forecasting, Grant Finance, Risk Management, Investment Analysis, Financial Reporting, Cash Flow Planning, Procurement, Python (Pandas, NumPy), Power BI, Excel (Solver, VBA, PivotTables), LSEG Yield Book, SIRI, GAAP Compliance, Bloomberg Terminal
- **Soft Skills:** Strategic Thinking, Analytical Reasoning, Stakeholder Communication, Report Writing, Problem Solving, Time Management, Cross Functional Collaboration
- **Certifications:** Microsoft Excel Expert, Financial Analyst Track – 365 Financial Analyst, Financial Derivatives.

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant: MGF 635: Financial Derivatives | University at Buffalo — ***Jan 2025 – May 2025***

- Facilitated instruction in options pricing (BSM, binomial, risk-neutral valuation).
- Led reviews & grading via UB Learns, enhancing student success & efficiency.
- Supported curriculum alignment & delivery for 50+ finance master's students.

Engagement Ambassador - Ruffalo Noel Levitz | University at Buffalo — ***Jan 2025 – May 2025***

- Led donor outreach & engagement campaigns across alumni segments.
- Generated $250K+ in contributions by improving strategy, reporting & logistics.
- Enhanced donor retention via personalized communication & stewardship.

Operation & Investment Advisor | Aurochild International School. — ***Jun 2022 – Dec 2023***

- Oversaw institutional finance, including investment strategies, budget forecasting, and donor fund allocation.
- Managed HR operations: hiring, onboarding, labor law compliance, and payroll administration.
- Led process automation and vendor management across departments.
- Supported project planning for educational infrastructure funded through grants and donations.
- Led ROI reviews for key spends, improving fund allocation & minimizing underused assets.

Human Resources Associate | The Residency Towers, CBE. — ***May 2021 – May 2022***

- Managed HR operations across hiring, onboarding, & payroll for 300+ staff.
- Aligned compensation strategy with financial planning & budget controls.
- Assisted in audit prep, labor compliance & reporting to senior HR mgmt.

Accounts Intern | Institute of Chartered Accountants of India — ***Jun 2019 – Oct 2020***

- Supported audit & tax engagements for SMEs under licensed CA.
- Prepared ledger reconciliations, GST filings & statutory docs using Tally ERP.
- Gained exposure to regulatory reporting & end-to-end financial workflows.

EDUCATION

Masters in Finance - Quantitative Mathematics : *University at Buffalo, SUNY* — ***Jan 2024 – May 2025 | GPA: 3.8***

Master of Business Administration : MBA - Finance / HR : *Anna University* — ***2020 – 2022 | GPA: 3.7***

Bachelor of Commerce - Finance / Accounting: *University of Madras* — ***2017 – 2020 | GPA: 3.8***

ACADEMIC PROJECTS

Portfolio Optimization & Monte Carlo Simulation | UB University Endowment — *Sep 2024 – Dec 2024*

- Optimized asset allocation with Python, boosting projected returns by 15%.

Algorithmic Trading Automation | Python, Interactive Brokers | University at Buffalo — *Jan 2025 – April 2025*

- Automated fund performance tracking with Python, NAV calculations & investor reporting.

Fixed Income Portfolio Hedging | LSEG Yield Book | University at Buffalo — *Sep 2024 – Dec 2024*

- Designed Excel-based hedging models for fixed income portfolios, ensuring GAAP accuracy

Interest Rate Risk & Income Simulation Modeling | University at Buffalo — *Aug 2024 – Dec 2024*

- Developed interest rate shock models using Python to assess impact on net interest income (NII)
- Simulated income scenarios under parallel & non-parallel yield curve shifts, BASEL III for int rate risk

RESEARCH PUBLICATIONS

University at Buffalo | <u>A Rigorous Exploration of the Black-Scholes-Merton Model - Quantitative Finance</u>

- Investigated limitations of the BSM model using Python simulations and stochastic calculus.
- Evaluated model performance under varying volatility surfaces and live pricing data.
- Published research on ResearchGate, highlighting applications in options pricing and instruction.