AUROKRISHNAA R L

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MS Finance (Quant) & MBA (Finance / HR) graduate with strong experience in financial analysis, Investments, Risk management and fixed income valuation. Skilled in LSEG Yield Book, portfolio optimization, derivatives, & data-driven decision making. Proven ability to support strategy in academic and institutional finance settings. **(Open to relocation)**

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 (PivotTables, Solver, VBA), SQL (Basic), Valuation (DCF, Comps, Precedents), LSEG Yield Book, Bloomberg Terminal, SIRI, GAAP Compliance
- **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 – June 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 – June 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.

Finance Manager - Investments & Operations | Aurochild International School. *Jan 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.

Articled Assistant (CA) | Institute of Chartered Accountants of India *Jan 2018 – 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 – June 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 | A Rigorous Exploration of the Black-Scholes-Merton Model - Quantitative Finance

- 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.