

Mridul Macker

Manchester, United Kingdom (Open to relocation) | mridulmacker2000@gmail.com | +44 7352671890 | [LinkedIn](#) | [GitHub](#)

EDUCATION

MSc Finance (Expected Distinction)

Sep 2025 – Present

Alliance Manchester Business School, University of Manchester

- Research Project (In Progress): Investigating how macroeconomic shocks transmit to equity markets using a **Vector Autoregression (VAR) model** and **Impulse Response Function (IRF) analysis**
- Student Representative: representing 60+ MSc Finance students, gathering concerns, communicating them to faculty stakeholders and contributing to successful curriculum adjustment.
- Vice President, Trading & Investment Society: connected 100+ members to finance professionals through employer partnerships, competitions and speaker events

MA Economics (Trade and Finance) (7.01/9 — Distinction equivalent)

Sep 2021 – Jun 2023

Indian Institute of Foreign Trade, India

- President, IIFT Economics Society: grew society engagement through industry speaker events and academic competitions, strengthening professional networks for 200+ members

PROFESSIONAL EXPERIENCE

Axtria | Gurugram

Associate

Apr 2025 – Aug 2025

- Investigated complex data breaks and exceptions across prescription, claims, sales and payer datasets, tracing issues across multiple systems, conducting root-cause analysis and coordinating with upstream teams to achieve timely resolution
- Presented analytical findings to senior stakeholders across US client teams in weekly meetings, translating SQL, Python and Databricks analyses into commercial insights on market performance and competitive dynamics

Data Analyst

Aug 2023 – Mar 2025

- Performed regular reconciliations and quality-control checks across prescription, claims, sales and payer datasets, identifying duplicate records, mapping gaps and inconsistencies, and validating reporting outputs against source data before client delivery
- Managed issue trackers and escalated material discrepancies and unresolved exceptions to senior stakeholders with clear explanations and recommended actions
- Conducted commercial and market analyses to evaluate product positioning, delivering recommendations that drove an 8% uplift in targeted sales performance

DLF Limited | Gurugram

Jul 2022 – Aug 2022

Financial Analyst Intern

- Processed vendor invoices, customer payments and bank reconciliations, and completed TDS filings and returns using SAP, ensuring compliance with financial regulations
- Built an Excel-based DCF and ratio analysis model to evaluate profitability and support financial due diligence across 10+ subsidiaries, improving forecast accuracy by 15%
- Validated financial data across bank records, invoices and internal systems, supporting accurate reporting and compliance across multiple business entities.

CERTIFICATIONS

- CFA Level I Candidate Nov 2026
- Bloomberg Market Concepts (BMC) Mar 2026
- Level 4 Diploma in Applied Finance | AmplifyME/LIBF — Completed Jun 2026

PROJECTS ([GitHub](#))

- **Active Portfolio Management | MSCI Europe (Bloomberg Terminal)** — Constructed and managed a €1bn active European equity portfolio using multi-factor risk decomposition, Brinson attribution and Monte Carlo VaR; delivered 8.47% return (vs. 9.09% benchmark) at lower total risk and VaR than benchmark, correctly diagnosing the shortfall as allocation-driven via single-stock concentration
- **Rolls Royce Holdings | DCF Modelling** — Excel-based DCF model projecting FCF growth from £3.3bn to £5.1bn over 5 years at 8.5% WACC, deriving intrinsic value of 1,320p vs market price of 1,110p — Buy recommendation (19% upside)
- **Derivatives Pricing | Numerical Methods Comparison** — Priced European and American equity options across seven methods (binomial trees, finite-difference PDE, Monte Carlo, Longstaff-Schwartz) in Python, validating against Black-Scholes to within 10^{-4} and diagnosing sources of model bias including discrete-monitoring bias and volatility miscalibration

KEY SKILLS

Operations and Controls: Reconciliations, Exception Investigation, Root-Cause Analysis, Data Validation, Quality Controls, Issue Escalation, Risk Awareness, Process Improvement, Deadline Management

Financial: Derivatives Pricing, Risk Management, Stress Testing, VaR, DCF Modelling, Scenario & Sensitivity Analysis, Forecasting, Reporting

Technical: SQL, Python (Pandas, NumPy, SciPy, Matplotlib), SAP, Advanced Excel, VBA, Gen AI, Databricks, R, Bloomberg Terminal, Tableau

Stakeholder: Client Communication, Cross-functional Collaboration, Stakeholder Management, Data-driven Storytelling