**Abhishek Machale**  
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**👤 Profile Summary**

Quantitatively driven professional with 2 years of experience in trading operations, market analytics, and risk analysis, complemented by strong programming skills and a background in econometrics. Currently Graduated in MSc - Investment & Finance from Queen Mary University of London. Skilled in developing and back testing trading models, analysing large datasets, and collaborating with cross-functional teams. Passionate about market microstructure, algorithmic strategies, and real-time decision-making.

**💼 Professional Experience**

**Business Development Executive – Croftz**  
*Dec 2024 – Present*

* Built DCF-based scenario models to assess AI-driven AML-KYC product investment potential
* Presented quantitative KPIs to investors; contributed to funding strategy execution
* Applied data analysis to improve campaign outcomes through performance benchmarking

**Finance Intern – Credent Property Advisory**  
*Dec 2023 – Feb 2024*

* Created real estate investment models using R and Excel; advised on yield-optimized strategies
* Conducted regression analysis on location-specific rental datasets
* Designed dashboards forecasting cash flow performance under various market conditions

**Hedge Fund Analyst II – Northern Trust**  
*Feb 2023 – Aug 2023*

* Automated FX tracking and P&L attribution using Excel VBA and Bloomberg integration
* Led reconciliation for high-frequency hedge fund portfolios and refined error-handling scripts
* Built bond yield calculators and monitored arbitrage using macro-enhanced data pipelines

**Middle Office Analyst – State Street**  
*Nov 2021 – Jan 2023*

* Reconciled 200+ mutual funds; optimized data flow across front/mid/back office
* Used SQL to resolve trade breaks and build automated exception reports
* Supported derivatives and risk teams by improving supervision accuracy and latency detection

**🎓 Education**

**MSc Investment & Finance** – Queen Mary University of London  
*2023 – 2024*

**BBA International Finance** – BMCC, University of Pune  
*2018 – 2021*

**📊 Quantitative Projects**

* **R-Based Econometric Forecasting:** Built linear regression models to project industry outperformance across 10 sectors using large-scale financial data.
* **Meta Platforms Valuation:** Developed unlevered DCF and COMPS analysis using 10 years of SEC data; awarded academic Merit.
* **Trading Strategy Simulator (Python):** Created and backtested momentum and mean-reversion strategies with Sharpe ratio comparison across time frames.

**🛠️ Technical & Trading Skills**

* Trading Strategy Design | Backtesting | P&L Attribution
* Programming: **R (Advanced)**, **Python (Intermediate)**, **SQL (Intermediate)**
* Tools: **Excel VBA**, PivotTables, Bloomberg Terminal
* Market Microstructure | Risk Analytics | Portfolio Optimization

**🌍 Languages**

* English (Fluent)
* Hindi (Native)
* Danish (Basic)