Raman Lamba

SOFTWARE FOR FINANCIAL DECISIONS

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MBA (Finance) candidate and CS engineer who builds AI agents, models and data tools for finance. First place at the UBS Financial Challenge; winner of Qiskit Fall Fest 2026. Experience in private credit operations, equity valuation, and ML for markets.

EDUCATION

Institute of Management Technology Hyderabad – PGDM, Finance (GPA 8.99) — Jul 2025 – Mar 2027

CRSSIET, NCR – B.Tech, Computer Science (82.22%) — Jul 2021 – Jun 2025

EXPERIENCE

Oxane Partners, Gurugram – Summer Intern, Private Credit — Apr – Jun 2026

- Two private credit deals (AUM > $100M) had to go live on Oxane's platform: analysed and modelled both and validated their data and documents, so both launched with accurate data.
- To catch covenant breaches early, designed and built an automated alert system with double-step verification that flags likely breaches and escalates them.
- Deal onboarding needed manual configuration for every deal: built a metadata-driven data architecture that cut it and improved data integrity and traceability.
- Kept platform data trustworthy by querying, reconciling and validating large deal and portfolio datasets daily with advanced SQL and Excel.

Jivika (startup) – Developer — Jun 2025

- Replaced keyword search in a job–candidate matcher: built an AI backend (TypeScript, embeddings, Qdrant) with field weights so certifications compare in the right place; 0.7 match-relevance score on company data.

Coding Blocks, Delhi – Teaching Assistant — Aug 2024 – Feb 2025

- Supported DSA students through twice-weekly doubt sessions: reviewed 500+ practice problems, ran 24+ extra concept sessions and helped students prepare for interviews.

AWARDS & COMPETITIONS

- **First place, UBS Financial Challenge (Team Cygnus, Sep 2026).** Winning team in a finance case competition; led most of the analysis and solution design.
- **Winner, Qiskit Fall Fest 2026 (IIIT-Delhi), Track 2 Quantum Optimization.** Solo entry; reached the Advanced level.
- **CFA Institute Research Challenge:** relative valuation for APL Apollo Tubes in the IMT Hyderabad team report.

PROJECTS

Loan Reconciliation Agent – Python, Apache Fineract, MCP GitHub · Case study — Nov 2026

- Lenders match bank payments to loans by hand in Excel: built an AI agent that matches them in Apache Fineract, posts clear ones with a co-lending split and queues unclear ones for a person; 0 wrong of 1,348 auto-postings (synthetic data).

Quantum Portfolio Optimization (QAOA) – Qiskit, Python GitHub · Case study — 2026

- Picking 10 of 20 stocks under a sector cap: a constraint-preserving QAOA mixer beat penalty-based QAOA by 3.7–20× (12 stocks), checked by brute force on 184,756 portfolios and run on IBM *ibm_fez* hardware.

Quantitative Gold Price Forecasting – PyTorch, time series GitHub · Case study — Mar 2026

- To forecast gold with its uncertainty, built a probabilistic CNN-LSTM on 3,939 trading days and 9 macro indicators: 54–58% directional accuracy at 5 days; a risk-based strategy backtested at an 18% return.

Asian Paints Valuation – Excel, IMT Hyderabad Workbook · Case study — Sep 2026

- Tested whether Asian Paints' price was justified: FCFF DCF (WACC 13.7%), two-stage DDM and peer multiples gave Rs 586/share against a CMP of ~Rs 2,580, so the stock was overvalued.

Options Strategy Simulator – Python, Supabase, Next.js Play it · Case study — Aug 2026

- Options strategies are hard to learn from textbooks: built a game on real NSE F&O data (2019–2024) that shows realized P&L for all 10 strategies per round, across market regimes.

SKILLS

Finance	DCF, DDM, relative valuation, financial modelling, advanced Excel, private credit, covenant monitoring
Code & Data	Python, advanced SQL, TypeScript/Next.js, C++, PyTorch, scikit-learn, Qiskit, RAG (Pinecone, ChromaDB), Supabase
Tools	Excel, Power BI, Tableau, Git