ARIHANT LODHA

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SUMMARY

IB Diploma student (Class of 2028) focused on quantitative finance, behavioral economics, and financial markets. Conduct behavioral finance research and develop Python-based trading and prediction models using real Japanese equity market data. Experience in data analysis, econometric reasoning, and algorithmic strategy evaluation. Interested in research labs, quantitative finance, and financial technology startups.

EXPERIENCE

Research Fellow — **Jan 2026 - Present**
Universitas Mercu Buana — Remote — *Remote*
Conducting behavioral finance research, analyzing investor psychology, and market decision-making. Performing literature reviews, synthesizing academic sources, and contributing to research paper development.

Technical Intern — **July 2025 - Aug 2025**
Rove (YC W24) — Remote — *Remote*
Contributed to backend systems for a fintech consumer payments platform. Evaluated reward and incentive mechanics using basic financial and behavioral models.

Business Analyst (Part Time) — **Oct 2025 - Jan 2026**
Rich Diamonds — *Tokyo, Japan*
Analyzed sales and inventory data to identify pricing and merchandising strategies. Built performance dashboards tracking revenue trends and inventory turnover. Conducted customer and market research to improve acquisition and retention

Quantitative Financial Analyst — **Aug 2025 - Present**
Independent — *Tokyo, Japan*
Designed and tested systematic trading strategies using historical equity data from the Tokyo Stock Exchange. Built a Python backtesting engine evaluating moving-average crossover strategies across multiple securities. Developed a machine learning model that predicts next-day stock prices using 15+ technical indicators. Documented methodology and results; published code and research outputs on GitHub. https://github.com/arihantlodha-cmd

Research Writer — **Sep 2025 - Present**
Independent Economics & Finance Writer — *Tokyo, Japan*
Published economics and finance analysis reaching 10,000+ monthly readers. Conducted independent research on inequality, UBI and data dividends, applying economic theory to real-world policy. Awarded 1st place by the Harvard Undergraduate Economics Association for research-driven writing

EDUCATION

St. Mary's International School (SMIS) — Tokyo, Japan — **2016 - 2028**
International Baccalaureate Diploma Programme — *Tokyo, Japan*
GPA: 3.96 / 4.00 Higher Level Coursework: Economics HL, Mathematics: Analysis & Approaches HL Activities: Finance Club (Leader), Robotics Club (Build Lead), Quantitative Finance Club (Leader)

Harvard John A. Paulson School of Engineering and Applied Sciences — **July 2025 - Aug 2025**
Entrepreneurship, Technology & Startups (HUVTSP) — *Cambridge, Massachusets*
Entrepreneurship, Technology & Startups Summer Program — 2025 (Selective, ~15% acceptance rate) Worked with early-stage startup founders and C-suite mentors on product and business strategy

SKILLS

Technical Skills: Python, SQL, C++, Microsoft Excel, PowerPoint, Word, Data Analysis, Project Management, Backend Web Development (Foundational), Financial Modeling (Foundational)

Languages: English (Fluent) French (Fluent) Japanese (Conversational Level) Hindi (Fluent)

Additional Skills: Behavioral Finance, Economics Research, Startups & Venture Capital, Robotics Engineering, Technical Writing, Investment & Economics Writing