

Dhurav Agarwal

Teen Quant-Fintech Builder | Derivatives Trading Practitioner | AI/ML & Agentic Automation Enthusiast | Java, Python & React Developer

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Current Education: Class-9, MCL Saraswati Bal Mandir Senior Secondary School, CBSE

Profile Summary

An exceptional Class-9 student with unusually advanced hands-on capability in derivatives trading, quantitative finance, trading systems, AI/ML, agentic AI automation and software development.

Grown in a high-intensity financial markets ecosystem under the direct influence of his father and uncle, who has 30+ years of derivatives trading experience, and close mentorship from a quant-trading practitioner. This environment has given him early and practical exposure to market structure, options, futures, volatility, risk management, capital allocation, trading psychology, statistics and systematic trading.

Unlike a typical student learner, Dhruv has independently built multiple trading-system projects, including portfolio RMS dashboards, option-chain order workflows, basket-order systems, IV-curve analysis tools, Redis-based feed components, relative charting utilities and contract-file automation. He is also fully engaged with AI/ML, Agentic AI automation, Java, Python and React.

Dhruv combines fast learning, deep curiosity, live-market maturity and strong technical execution. His long-term interest lies at the intersection of quantitative trading, AI automation, market-data intelligence, derivatives analytics and fintech entrepreneurship.

Core Position

- Teen quant-fintech builder with serious derivatives-market orientation
- Independent builder of trading dashboards, execution workflows and market-data tools
- Live derivatives trading practitioner with experience in risk-managed capital deployment
- Strong learner and practitioner in AI/ML, Agentic AI automation, Java, Python and React
- Built in a family and mentor ecosystem deeply rooted in derivatives trading, mathematics, statistics and quant systems
- Passionate about building scalable trading intelligence, analytics and automation platforms

Key Achievements

Independently built multiple trading-system projects across portfolio risk management, option-chain workflows, basket execution, IV-curve analysis, Redis-based feed handling, dashboard control and contract-file automation.

- Managed live derivatives trading strategies for a Singapore-based trading firm with approximately ₹70 crore capital exposure, generating profitable outcomes under active market conditions.
- Developed practical understanding of options, futures, volatility, Greeks, risk monitoring, capital allocation, position sizing and strategy execution at an unusually early age.
- Gained hands-on exposure to professional trading infrastructure through SMC Global Securities Limited and proprietary trading environments.
- Built strong self-learning capability across AI/ML, Agentic AI automation, Java, JavaScript, Python, trading systems and fintech entrepreneurship.

Live Trading & Market Experience

Singapore-Based Trading Firm

Live Derivatives Trading / Risk-Managed Strategy Execution

- Managed live derivatives trading strategies with approximately ₹70 crore capital exposure.
- Executed trades under real market conditions with focus on profitability, risk control and capital protection.
- Applied understanding of price action, volatility, derivatives behavior, market structure, position sizing and portfolio-level risk.
- Used practical judgment around trend, volatility, option behavior, risk-reward and changing market regimes.
- Developed hands-on maturity in trade selection, loss control, execution discipline and capital allocation.

SMC Global Securities Limited

Quant Trading Systems / Financial Markets Projects

Duration: 21 May 2026 - 30 June 2026

- Worked on trading dashboards, order-placement systems, market-data tools, option-chain workflows and risk-monitoring applications.
- Independently built or worked on projects related to portfolio RMS, option-chain order placement, basket-order placement, operational dashboards, Redis news feed client-side components, relative charting, IV-curve analysis and contract-file sorting.
- Strengthened practical understanding of how market data, order execution, dashboard control, risk systems and trading operations connect in a professional trading environment.

Education Class 9 – (Currently Pursuing during 2026-27)

MCL Saraswati Bal Mandir Senior Secondary School, New Delhi.
CBSE Board

Selected Certifications & Courses - Finance, Investment & Trading

- Financial Markets - Yale University (May 2026)
- Investment Management Specialization - University of Geneva (June 2026)
- Understanding Financial Markets - University of Geneva (May 2026)
- Meeting Investors' Goals - University of Geneva (May 2026)
- Portfolio and Risk Management - University of Geneva (May 2026)
- Securing Investment Returns in the Long Run - University of Geneva (May 2026)

- Planning Your Client's Wealth over a 5-Year Horizon - University of Geneva (June 2026)
- Derivatives - Options & Futures - Interactive Brokers (May 2026)
- Introduction to Day Trade

AI & Productivity

- AI Fundamentals – Google (June 2026)
- AI for Research and Insights – Google (June 2026)
- AI for Brainstorming and Planning – Google (June 2026)

Entrepreneurship - Introduction to Tech Entrepreneurship - IIT Bombay (May 2026)

Personal Strengths

- ✓ Exceptionally fast learner
- ✓ Deeply self-motivated and passionate
- ✓ Strong curiosity for markets, systems, automation and entrepreneurship
- ✓ Practical understanding of risk, reward, volatility and execution
- ✓ Ability to connect trading intuition with technology-led system building
- ✓ Early maturity in handling live-market pressure and decision-making

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Annexure 1: Independently Built Projects

Portfolio RMS Dashboard	Built a portfolio risk-monitoring dashboard to track risk, exposure, market movement and portfolio-level behavior.
Option Chain Order Placer	Built an option-chain-based order workflow tool connecting option-chain data, strike selection and execution logic.
Basket Order Placer	Built a structured multi-order basket workflow for placing and managing multiple trading legs.
IV Curve	Built implied volatility curve analysis to understand volatility structure across strikes and expiries.
Relative Chart	Built comparative charting logic for analyzing relative movement between instruments or market segments.
Redis News Feed Client Side	Built the client-side component for consuming and displaying Redis-based news or market-feed data.
Contract File Sorter	Built a utility to sort, organize and process contract files for trading and market-data workflows.
Operational Hub	Built a trading operations-focused dashboard/system to support workflow monitoring and control.
Dashboard Control Center	Built a centralized dashboard control interface for managing and monitoring trading-system components.

Annexure 2: Technical Skills

Programming & Development

- Java
- Dashboard development

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| <ul style="list-style-type: none">• Python• React | <ul style="list-style-type: none">• Trading workflow automation• Market-data utilities |
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AI/ML & Automation

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| <ul style="list-style-type: none">• AI fundamentals• Machine learning concepts• Agentic AI automation | <ul style="list-style-type: none">• AI-assisted research• AI-based workflow design• Automation of market and research workflows |
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Trading Systems

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| <ul style="list-style-type: none">• Portfolio RMS dashboards• Option-chain tools• Basket-order workflows• IV-curve analysis | <ul style="list-style-type: none">• Redis-based feed components• Relative charting• Contract-file automation• Dashboard control systems |
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Quant & Market Knowledge

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| <ul style="list-style-type: none">• Derivatives• Options and futures• Volatility• Greeks• Risk management | <ul style="list-style-type: none">• Capital allocation• Position sizing• Market structure• Price action• Trend and regime analysis |
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