YASHITHA MISHRA

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Professional Summary

Quantitative Trader and Python Developer with hands-on experience designing, coding, and deploying automated trading strategies for crypto and equities markets. Strong background in data analysis, risk management, and performance optimization. Adept at building and backtesting trading bots, extracting actionable insights from large datasets, and thriving in fast-paced, collaborative environments.

Technical Skills

- Python (algorithmic trading, data analysis, backtesting)
- Trading bot development (Binance, Delta Exchange)
- Data analysis & visualization (Pandas, NumPy, Matplotlib)
- Risk management & performance tracking
- API integration & troubleshooting
- Market data extraction & signal automation
- Swift
- HTML
- JavaScript
- CSS
- Shell
- Dockerfile
- Procile

Projects

Automated Trading Systems (Binance, Delta Exchange)

- Designed and deployed automated trading bots for crypto spot and derivatives markets.

- Implemented strategy execution, order lifecycle management, risk controls, and exchange API integration.

- Maintained structured logging for trades, positions, and performance metrics.

Crypto Portfolio Allocation System (CPAS) – Binance

- Developed modular portfolio allocation and analytics platform using Binance APIs.

- Built pipelines for data extraction, cleaning, normalization, and storage.

- Implemented portfolio tracking and automated rebalancing.

- Open-source: CPAS-Binance (GitHub)

Chiron Wound Inversion Oracle (Go / Web)

- Built a minimal, global-ready web app calculating natal Chiron placements and reframing "wounds" as Left-Hand Path strengths.

- Single Go 1.22 binary (~8MB), zero external dependencies, cross-platform, low memory, optional Cloudflare Worker for edge deployment.

- Modern responsive frontend with dark theme, animations, validation, and timezone support.

- REST JSON API with CORS; complete mapping of 12 signs × 12 houses (144 interpretations).

Lilith: The Shadow Cycle Tracker (Swift / Vapor 4)

- Developed a server-side Swift API and iOS frontend tracking menstrual cycles synchronized with lunar phases, delivering daily Left-Hand Path ritual forecasts.

- Built a high-precision calculation pipeline with Swiss Ephemeris and Vapor 4 backend, packaged in Docker for reproducible deployment.

- Designed REST API (`POST /calculate`) generating cycle phases, lunar phases, and ritual instructions programmatically.

- iOS frontend references backend data, supporting visualization and ritual guidance.

- Emphasized modularity, testing, and accurate time-zone handling for global usage.

- Open-source: Lilith-Blood-Moon-Tracker (GitHub)

Custom Analytics & Tracking Tools

- Developed tools for structured data capture, aggregation, and pattern analysis across financial and temporal datasets.

- Standardized logging, metrics extraction, and reproducible workflows.

Professional Experience

Independent Quantitative Trader & Developer Remote | Feb 2022 – Present

- Executed and monitored trades in crypto and equities markets, focusing on automation, risk controls, and performance analytics.
- Built and optimized Python-based trading bots for Binance and Delta Exchange, integrating with APIs and maintaining detailed trade logs.
- Conducted portfolio rebalancing, cash monitoring, and risk management for personal and client accounts.
- Maintained accurate records of transactions and performance, supporting compliance and reporting.

Freelancer (Technical & Analytical Projects) Remote | Dec 2021 – Present

- Delivered technical and analytical solutions for international clients, including data extraction, trade reporting, and workflow automation.
- Supported client onboarding and maintained CRM records for multiple projects.

Teachers Relationship Manager Learnmall, Bangalore | Mar 2021 – May 2021

- Built and maintained professional client relationships, supporting business growth and accurate data management.

Senior Fulfillment Expert Swiggy, Bangalore | Oct 2019 – Apr 2021

- Managed customer issues and escalations, ensuring operational accuracy and high satisfaction.
- Handled sensitive transactions and maintained detailed records.

Tech Mahindra Business Service Ltd, Pune, Maharashtra. Customer Relations Advisor | Apr 2017 - May 2018

- The first line of sales.
- Resolved tech issues for the network connections via call and helpdesk.
- Handled and maintained a good relationship with the customers and the company.

WNS, Pune, Maharashtra Associate operations. July 2016 - Dec 2016

- Handled and helped customers to claim loans via calls, help desk, and emails.
- Resolved any concerns that were raised by customers.

Education
- Bachelor of Arts (Economics) Indira Gandhi National Open University | Jan 2017 – Jul 2021
- Data Analytics Essentials Cisco Networking Academy | Jul 2023 – Aug 2023
- CS50's Computer Science for Business Professionals Harvard University (Online) | Jan 2023 – May 2023
- Entrepreneurship in Emerging Economics Harvard University (Online) | Jun 2023 – Dec 2023
- High-Dimensional Data Analysis Harvard Business School Online | Jul 2023 – Jan 2024
- Advanced International Business Saylor Academy | Aug 2023 – Present
- Advanced Data Analytics Certificate Google | May 2021 – Aug 2021
- Quantitative and Qualitative Research in Finance The Open University | Nov 2024
- High School (Business/Commerce) Toc H Public School | 2014 – 2016

Languages

- English (Fluent)
- French (Basic)
- Hindi (Fluent)
- Malayalam (Fluent)
- Kannada (Conversational)
- Marathi (Conversational)
- Arabic (Basic)
- Spanish (Basic)
- German (Basic)
- Chinese Mandarin (Basic)