YASHITHA MISHRA

Quantitative Engineer | Algorithmic Trader | Systems Developer
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GitHub: https://github.com/Sly-kitsune

SUMMARY

Quantitative engineer designing automated trading and analytics systems across crypto and equities.
Expert in Python strategy execution, market data pipelines, API integration, and risk controls.
Delivered production-ready bots, portfolio allocators, and backend services with measurable performance gains.

CORE SKILLS

- Python (algorithmic trading, backtesting, data pipelines)
- Quantitative trading systems (crypto spot & derivatives)
- Pandas, NumPy, Matplotlib
- Strategy execution, order lifecycle, risk management
- Market data ingestion & signal automation
- REST APIs, exchange integrations (Binance, Delta Exchange)
- Docker, Linux shell, reproducible deployments
- Go (backend services), Swift (API + iOS)
- HTML, CSS, JavaScript

EXPERIENCE

Independent Quantitative Trader & Engineer — Remote | Feb 2022–Present

- Deployed Python trading bots executing strategies with automated risk controls, monitoring, and PnL tracking.
- Built market data pipelines and structured logging, enabling real-time performance metrics and portfolio analysis.
- Automated portfolio rebalancing and exposure limits, reducing manual intervention and drawdowns.

Freelance Quant & Systems Developer — Remote | Dec 2021–Present

- Delivered analytics automation, data extraction, and reporting pipelines for international clients.
- Streamlined workflows, cutting manual processing and improving data accuracy.

PROJECTS

Automated Trading Systems — Binance & Delta

- Engineered end-to-end bots with signal generation, execution, risk controls, and logging.

Crypto Portfolio Allocation System (CPAS)

- Modular portfolio engine automating rebalancing and analytics via Binance APIs.
- Open source: CPAS-Binance (GitHub)

Chiron Oracle — Go / Web

- Single-binary backend (~8MB) with REST API; cross-platform, timezone-safe, minimal dependencies.

Lilith Shadow Cycle Tracker — Swift / Vapor

- Server-side API computing high-precision astronomical cycles; Dockerized for reproducible deployment.

EDUCATION

- **B.A. Economics** — Indira Gandhi National Open University
- **Advanced Data Analytics** — Google
- **CS50: Computer Science for Business Professionals** — Harvard University
- **High-Dimensional Data Analysis** — Harvard Business School Online