

Bhargav Suhagiya

AI/ML | Web3 | Full-Stack Engineer

+91 9328677043 · bhargavsuhagiya99@gmail.com · bhargavsuhagiya.com · quantpluto.com · linkedin.com/in/bhargav-suhagiya · github.com/bored-apes · Surat, India

Engineer who builds **end-to-end ML trading systems** — tick-level feature engineering, leakage-safe validation, and risk-governed live deployment — on top of 3+ years shipping production blockchain and full-stack infrastructure. Currently shipping an AI trade-classification system at Whitebeard and running Pluto, a self-built ML quant system backtested profitable in every out-of-sample year with sub-10% drawdown, now live on client-managed MT5 accounts.

EXPERIENCE

Software Developer · [Whitebeard](https://whitebeard.ai) (whitebeard.ai) Jul 2025 – Present
Wilmington, DE, USA · Remote

- Built an **AI-driven trade classification system** that analyzes incoming MT5 trades in real time and dynamically routes them to A-Book / B-Book to optimize broker profitability.
- Shipped the complete admin panel and client dashboard — role-based access control, orders, PnL tracking, invoices, margin management, and reporting.
- Integrated MT5 via custom plugins and Expert Advisors to capture and process live trading activity.
- Designed low-latency AWS infrastructure (ECS, EC2, Lambda, RDS, RabbitMQ, Redis) with Datadog metrics, alerting, and system-health tracking.

Blockchain Engineer · [Goldpesa](https://goldpesa.com) (goldpesa.com) Jan 2025 – Present
Dubai, UAE · Remote

- Led development of a Pump.fun-style **social token launch platform** — users launch tokens tied to their social identity and trade them instantly.
- Built OAuth social-login integrations and automated token deployment with instant liquidity and trading mechanics on Uniswap v4.
- Designed a real-time on-chain monitoring system over RPC, streaming events through AmazonMQ into consumer services for persistence.

Blockchain Developer · [Codeuxi Technologies](https://codeuxi.com) Jan 2023 – Jan 2025
Surat, India · On-site

- Single-handedly owned the backend and blockchain architecture for a **private EVM chain** — smart contracts, APIs, indexing, and production deployments.
- Built a complete DEX with swap + bridge functionality, plus yield farming with dynamic APY/APR and reward distribution.
- Wrote a custom blockchain indexer from scratch and a Blockscout-based explorer; shipped Web3 games — Prediction, Aviator, Coin Flip, and a Telegram tap-to-earn bot.

FOUNDER EXPERIENCE — AI & ML

Pluto — ML trading system for gold (XAU/USD) · [QuantPluto](https://quantpluto.com) (quantpluto.com) 2026 – Present
1-min scalping · live on client-managed MT5 accounts

- Engineered a **151-feature tick-microstructure dataset** from 22M+ raw bid/ask ticks (425K session-filtered 1-min bars, 2021–2026): order-flow & dollar imbalance, tick velocity/acceleration, trend context — with strict lookahead-bias controls (closed-bar joins, within-bar deltas, no raw price levels exposed to the model).
- Trained a 3-class **LightGBM** signal model with bidirectional triple-barrier labeling (2.5:1 reward:risk) and **purged time-series cross-validation**; calibrated entry thresholds on net expected value after spread, commission, and slippage — auto-disabling any trade direction whose edge fails to clear costs.
- **Backtested profitable in every out-of-sample year** (2,062 trades, 2021–2026, net of costs) with **max drawdown under 10%** across regimes; true forward out-of-sample Jan–Jun 2026: **+78.9% in 6 months**, –7.4% max drawdown, 6/6 profitable months.
- Built an event-driven backtester with full broker accounting (real lots, contract size, per-bar spread, commission, slippage, margin) and a two-stage **drawdown-governed position sizer**; found that signals above 55% model confidence had lower out-of-sample win rates and capped confidence to filter the overfit zone.

- Productionized to client-managed MT5 accounts with a **frozen-engine pattern** — live bots run the identical training-time feature code (zero research–production drift), rebuilding features from up to 2M ticks per poll under a crash-supervised loop with broker-side SL/TP.
- Went from empty repo to first multi-year-validated model in **15 days** and to multi-account client deployments in **6 weeks**; documents limitations openly (regime-specific edges, backtest vs. live caveats) — full record at quantpluto.com.

Robotics venture · [RoboImpex](https://roboimpex.com) (roboimpex.com)

Early stage

Robotic arms · embedded systems

- Sources microchips, sensors, and machinery components; designs, assembles, and programs robotic arms end to end.

SELECTED WEB3 PROJECTS

- **PumpMarketCap (live)** — end-to-end token launchpad on Base: social login, one-click token creation, trading and pump mechanics, community tools.
- **Token Analytics Platform** — real-time token price and on-chain analytics; WebSocket streaming, Redis, MongoDB TimeSeries, multi-platform OAuth via Privy.
- **Cross-Chain Bridge** — lock-and-mint bridging across EVM networks with a custom Go indexer for real-time monitoring and an operations admin panel.
- **Arbitrage Finder Bot** — Python bot detecting and executing cross-DEX arbitrage with flash loans; profitability computed with fees and gas included.

SKILLS

AI & Machine Learning: Python (pandas, NumPy, scikit-learn), LightGBM, financial ML — triple-barrier labeling, purged time-series CV, tick-microstructure feature engineering, cost-aware threshold calibration — backtesting & quantitative risk modeling, PyArrow/Parquet pipelines, MetaTrader 5 API model serving

Languages: Go, JavaScript / Node.js, TypeScript, Java, Python, Solidity, SQL, MQL5

Blockchain & Web3: Solidity, Foundry, Hardhat, Wagmi, Viem, Web3.js / Ethers.js, Uniswap v2–v4, Chainlink, tokenomics, blockchain indexers

Frameworks: React, Next.js, React Native, Express.js, Spring Boot, Vite, Zustand, Redux

Databases & Caching: PostgreSQL, MySQL, MongoDB, Redis, Amazon RDS, ElastiCache

Cloud & DevOps: AWS (ECS, EC2, Lambda, S3, Amplify, AmazonMQ), Docker, Firebase, Datadog, Git & CI/CD

EDUCATION

B.E. in Information Technology · [L.J. Institute of Engineering & Technologies](#)

Aug 2019 – Jan 2023

Ahmedabad, India

- CGPA 9.2/10 · Coursework: Data Structures, Algorithms, Databases, Machine Learning, Blockchain.