

Deliko Hartono

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ABOUT ME

Full stack ML engineer who ships AI trading systems to production with LSTM forecasting, PPO execution, and Black Litterman optimization. I build secure and scalable web and API services with real time features, clear documentation, and strong tests. Recent work includes B Connect web and API with real time chat, user profiles, contract and order workflows, and robust data models. In Agile teams I focus on testable design and measurable results covering accuracy, drawdown control, latency, and reliability. I use LLMs every day to speed development, sharpen reviews and tests, and enhance product capability.

EDUCATION

Binus University Aug 2023 – Present
Bachelor's in Information Technology | GPA: 3.07/4.0

EXPERIENCE

Community Manager Apr 2024 – May 2024
Belajar Trading Indonesia Remote

- Moderated and structured a Discord trading community with 500+ members to improve discussion quality and engagement.
- Produced concise educational briefs on market topics and standardized channel guidelines for consistent moderation.

Customer Service Assistant Mar 2022 – Present
Family Retail Business Jakarta, Indonesia

- Managed daily customer interactions, point-of-sale transactions, and returns with disciplined cash handling and accuracy.
- Introduced simple SOPs (FAQ/return log) to streamline service flow and reduce handling time.

PROJECTS

Bitcoin AI Portfolio Optimization System May 2025
Author and Sole Developer

- Built an end to end Bitcoin backtesting framework in Python that combines LSTM price prediction Black Litterman Bayesian allocation Enhanced CVaR risk control and a PPO trading agent
- Engineered data and features using OHLCV from Yahoo Finance with RSI and Keltner channels and packaged reusable components across `main.py` and `project_components.py` with a simple command line runner
- Produced performance analytics including total return Sharpe and max drawdown with a reported 6 280 percent total return and 57 percent maximum drawdown on the 2019 to 2025 backtest

B-Connect Freelance Marketplace Platform June 2025
Full-Stack Developer (Team Project)

- Built the real-time chat experience in React with Vite and Socket.io, including message components with loading states, auto-scroll, and media message handling.

- Extended the backend API by adding a proofId field to the Contract model and exposing it through order detail endpoints consumed by the client.
- Standardized payment transaction status mapping and stabilized Google Drive-based image thumbnails, improving reliability of user statistics, purchase history, and review flows.

TECHNICAL SKILLS

Languages: Indonesian (Native), English (Proficient)

Programming Languages: C, C#, Python(Proficient), JavaScript , TypeScript (Proficient)

Web / Frameworks: React (JS/TS), Node.js, Express.js, HTML5, CSS3, Tailwind CSS, Socket.io, Vite

Databases: MySQL, MongoDB

AI/ML: Long Short-Term Memory, Proximal Policy Optimization, Black-Litterman, Conditional Value at Risk, TensorFlow, PyTorch, Stable-Baselines3, scikit-learn, NumPy, Pandas, Matplotlib

Payment Systems: Midtrans API Integration, HMAC verification

Tools & Design: Git, GitHub, Figma, Visual Paradigm

Processes: Agile/Scrum, REST API Design, Authentication & Authorization (JWT, RBAC)