

RAFLYANDI ALVIANSYAH

Jakarta, Indonesia | +62895397017010 | raflyalv@gmail.com | [linkedin.com/in/raflyandi-alviansyah05](https://www.linkedin.com/in/raflyandi-alviansyah05) | github.com/RaflyandiALV

EDUCATION

Bina Nusantara (BINUS) University <i>Bachelor of Computer Science – Mobile Application & Technology</i>	Jakarta, Indonesia Aug. 2023 – Expected May 2027
AkademiCrypto <i>Intensive Program in Quantitative Trading, Blockchain, & Web3</i>	Online Oct. 2023 – Present

EXPERIENCE

Founder <i>TradeWCryp (Web3 Educational Platform)</i>	Oct. 2025 – Present Remote
<ul style="list-style-type: none">Developing an educational platform focused on Web3, cryptocurrency trading, and investment strategies for a global audience.	
Data & Finance Strategist (Part-Time) <i>WorldBeforePandemic (Fashion Startup)</i>	Aug. 2023 – Present Jakarta, Indonesia
<ul style="list-style-type: none">Analyzed raw sales, inventory, and financial data to provide actionable insights directly to the CEO for strategic decision-making.Engineered a "StockFlow HeatMap" using advanced Google Sheets to identify high-velocity products and optimize restocking.Measured influencer marketing ROI by correlating sales data with campaign timelines to guide future marketing budget.	

PROJECTS

Quantitative Trading & Backtesting Platform <i>Python, Pandas, NumPy, FastAPI, ccxt, yfinance</i>	Oct. 2025 – Present
<ul style="list-style-type: none">Architecting the backend logic for an algorithmic trading platform with a Python-based backtesting engine.Implemented and backtested 4 core strategies: Grid Trading, Mean Reversal (RSI, BB), Momentum (MACD), & Multi-Timeframe Analysis.Analyzed strategy performance using key financial metrics (Sharpe Ratio, Max Drawdown) against a Buy & Hold benchmark.Developing a FastAPI backend to serve strategy endpoints and portfolio data to a companion iOS app (in development).	
AI Urban Traffic Controller <i>Python, YOLOv5, PyTorch, OpenCV, Git</i>	Aug. 2024 – Dec. 2024
<ul style="list-style-type: none">Developed an AI system to optimize traffic flow by dynamically adjusting signal timings based on real-time vehicle volume.Implemented and fine-tuned a YOLOv5 model, achieving 95% vehicle detection accuracy in testing.Simulations demonstrated a potential reduction in traffic congestion by over 20% compared to fixed-timer systems.	
Open-World Dinosaur VR Experience <i>C#, Unity Engine, Oculus SDK</i>	Jan. 2024 – May 2024
<ul style="list-style-type: none">Programmed complex C# scripts in Unity for the Oculus platform, engineering AI behaviors for dinosaurs and interactive environments.	

LEADERSHIP & ACTIVITIES

Chairman (President) <i>Youth Scientific Group (KIR SMAN 3 Tangerang)</i>	Aug. 2022 – Aug. 2023 Tangerang, Indonesia
<ul style="list-style-type: none">Led an organization of 300+ members; implemented strategic programs that increased membership by +160% (from 120 to 320).	
Startup Competition Winner (2nd Place) <i>Bpreneur (BINUS Entrepreneurship)</i>	Aug. 2024 – Dec. 2024 Jakarta, Indonesia
<ul style="list-style-type: none">Co-founded "DapoerKelana," an F&B cloud kitchen concept, securing 2nd place in the Startpreneur business competition.	

TECHNICAL SKILLS

Languages: Python, Swift, Kotlin, C#, Java, C++, Dart, Solidity (Basic), SQL
Data & AI Libraries: Pandas, NumPy, Scikit-learn, PyTorch, YOLOv5, OpenCV, Matplotlib, Seaborn
Tools Platforms: Git, GitHub, FastAPI, Unity Engine, Jupyter, Android Studio, Xcode, ccxt, yfinance