DARYL RAFAEL WIGUNA

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PROFILE

Computer Science undergraduate at BINUS University specializing in Artificial Intelligence (GPA: 3.45/4.00), seeking an internship in AI / ML Engineering, or Full Stack Developer. Experienced in designing end-to-end full-stack systems and production-grade AI pipelines, including RAG architectures with hybrid search reranking, automated market intelligence workflows, and local-first mobile applications with multimodal vision APIs. Equipped to deliver scalable, reliable backend services and production AI integration from day one.

EDUCATION

BINUS University Tangerang, Indonesia
Bachelor of Computer Science - Artificial Intelligence 2024 – 2028 (Expected)
Cumulative GPA: 3.45/4.0

SMAK PENABUR Kota Tangerang Kota Tangerang, Indonesia
High School Diploma - Natural Sciences (MIPA) 2021 – 2024

PROJECTS

NOTA - Local-First Personal Finance App github.com/darylrafael/NOTA
React Native · Expo · TypeScript · SQLite · Gemini Vision API 2026

- Built an offline-capable, local-first mobile finance tracker using React Native and SQLite, enabling instant client-side read/write operations with zero cloud latency.
- Integrated Gemini Vision API to automatically parse and extract structured data from receipt photos, implementing heuristic reconciliation to cross-check extracted line items against totals before database commitment.

Nexus - Automated Market Research Pipeline github.com/darylrafael/nexus
Python · FastAPI · APScheduler · SQLite · Telegram Bot API · Next.js 2026

- Built an automated financial data ingestion pipeline executing scheduled pre-market crawls of real-time IHSG market metrics and macroeconomic news, delivering AI-synthesized morning briefs to Telegram.
- Added rule-based heuristic validation over LLM analysis outputs to enforce quality and factual consistency before publication, with a post-market accuracy tracking engine logging empirical prediction performance.

EXPERIENCE

BINUS Business International Club (BIC) Tangerang, Indonesia
Activist - Human Resource Department (Recruit & Retrain) 2025 - Present

- Supported various organizational programs in project coordination, event operations, logistics, and public communications, adapting to different responsibilities throughout each program.
- Screened and interviewed 200+ applicants, evaluated candidate profiles, and supported onboarding and placement across different divisions.

BINUS University Tangerang, Indonesia
Freshmen Leader - First Year Program (FYP) August 2026 - Sept 2026

- Mentored incoming freshmen through academic orientation, campus transition, and platform onboarding; facilitated seminars on study roadmaps and academic ethics.

SKILLS

- **Programming:** Python, TypeScript, SQL
- **Frameworks:** FastAPI, Next.js, React, React Native, Expo, Prisma
- **Databases**: PostgreSQL, SQLite, pgvector
- **AI/ML:** LLM Integration, RAG, Hybrid Search, Prompt Engineering, Gemini Vision API
- **Tools:** Git, GitHub, Vercel, APScheduler, Telegram Bot API
- **Language:** Indonesian (Native), English (Professional)