Teddy Steven Gotama

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Profile

Motivated Software Engineering student at Asia Pacific University of Technology & Innovation, pursuing a dual degree with De Montfort University. Interested in full-stack development, artificial intelligence, and building practical software solutions. Skilled in problem-solving, web development, and continuous technical learning through academic projects and online certifications. Seeking opportunities to apply and further develop software engineering and AI development skills in a professional environment.

Education

Asia Pacific University of Technology & Innovation — Kuala Lumpur, Malaysia
BSc (Hons), Software Engineering.
CGPA: 3.86 — Graduation Date 2028

De Montfort University — Leicester, England
Dual Degree Programme with De Montfort University — Graduation Date 2028

Project

MedSafe - AI Drug Interaction Checker — **NextGen Innovation 2026 Hackathon**

- Built a mobile-first web app that screens every unique pair in a user's medication list for dangerous drug–drug interactions against the DDInter 2.0 clinical database
- Standardised drug names via the RxNorm API and matched by RxCUI rather than raw text, so brand names, generics, and misspellings resolve to one drug and interactions are not missed.
- Added AI label reading from a photo, severity-graded plain-language explanations, and one-page PDF export for the user's doctor.
- Next.js, TypeScript, Tailwind CSS, Prisma, Supabase (PostgreSQL), and an LLM via OpenRouter;

BusinessReadiness Score API

- Designed and deployed a REST API that crawls a business website and returns a deterministic readiness score across contact reachability, trust, and commercial signals.
- Implemented SSRF-safe URL validation to block localhost, private IP ranges, and non-HTTP schemes before any crawl request is issued.
- Shipped with pytest coverage, OpenAPI docs, cached audit retrieval, and RapidAPI proxy-secret authentication; deployed on Render.
- Python, FastAPI, Pydantic, httpx, BeautifulSoup4, SQLAlchemy, and Supabase/PostgreSQL.

Technical Skills

Programming Languages: Python, JavaScript, TypeScript, Java, C#, SQL, HTML, CSS
Frameworks: FastAPI, Next.js, React, Node.js, Tailwind CSS
Backend & APIs: REST APIs, Pydantic, SQLAlchemy, OpenAPI, httpx, API security (SSRF protection)
Databases: PostgreSQL, Supabase, Prisma
Testing & Tools: pytest, Git, GitHub, Render
AI: LLM integration, OpenRouter, AI application development
Spoken Languages: English, Malay, Indonesian

Leadership and Activities

Student Council - OSIS — Pekanbaru, Indonesia
Head of Religious Division — Nov 2023 – Nov 2024
AWS Cloud Club — Kuala Lumpur, Malaysia
Member — Jan 2026 – Present