Ahmad Akmal Abdullah

Software Developer

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PROFESSIONAL OVERVIEW

Technical Developer and High-Potential Talent recipient (3.96 CGPA) with a proven record of designing, deploying, and supporting live software. Founder of an innovation lab specializing in computer vision, financial architectures, and cloud systems. Adept at driving digital transformations, deploying cross-platform solutions, and delivering dedicated technical support.

WORK EXPERIENCE

Founder & Lead Developer| MiraiWorks, Perak JUL 2025 – PRESENT

- Architected and legally copyrighted (MyIPO No: LY2026E03369) *Mikira*, an LLM-driven Discord AI study companion built with Python and discord.py, scaling features to secure 6 national/international innovation awards.
- Engineered *Project Nero*, a production-ready computer vision spatial-mapping verification platform (Python, OpenCV, MediaPipe) that securely ingests SPMP relational database layers to automate live student examination tracking.
- Designed and deployed *Project Airi*, an NLP-powered WhatsApp fiscal bot utilizing TypeScript, Prisma, and PostgreSQL; integrated OpenAI GPT-4o API for conversational context and Tesseract.js OCR for data validation.

Software Developer Intern| Alma Skills Development Resources, Malacca JUL 2026 – OCT 2026

- Engineered the full-stack Sarawak Applicant Management System (PHP/SQL) with automated bulk .xlsx data parsing, and built a custom FTP-based CI/CD pipeline for zero-downtime deployments.
- Refactored the official website's front-end UI/UX to eliminate rendering lag and reduce mobile CPU load, and authored a 32-page technical onboarding manual for future developers.

Software Developer (Operations Digitization)| Wing Zone (PKNP), Perak AUG 2025 – JUL 2026

- Spearheaded the complete digital overhaul of local franchise storefront operations by building FireSync, a production-ready mobile platform (Kotlin) and responsive web dashboard (Next.js, TypeScript).
- Architected Firebase real-time database schemas and integrated Toyyibpay gateways to process secure end-to-end consumer transactions.
- Conducted product onboarding, user training, and tier-1 troubleshooting for local franchise staff during the FireSync platform deployment.

EDUCATION

Diploma in Multimedia (CGPA 3.96) | Mara Poly-Tech College, Ipoh Graduated: 2026

- **Key Honors:** Anugerah Potensi, continuous Dean's/Senate's Lists, 4-Star Contributor, & 6+ AI software awards (INDES, INVENTA).
- **Top Project:** 1st Place Final Year Project for engineering an enterprise-grade retail platform.

Technical Proficiency

Systems & Network: Linux (Arch), macOS, Windows, Bash, CLI, TCP/IP, DNS, VPN
Core Languages: TypeScript, JavaScript, Python, Kotlin, C++, HTML/CSS
AI & Engineering Tools: OpenCV, MediaPipe, NLP (GPT-4o API), Tesseract.js (OCR), discord.py
Backend & Databases: Firebase, PostgreSQL, SQL, phpMyAdmin, Prisma ORM
Languages: Bahasa Melayu (Native), English (Proficient), Turkish (Conversational)