AHMAD AKMAL ABDULLAH

FULL STACK DEVELOPER

Shah Alam, Selangor | akmal16sep@gmail.com | +60178966044 | LinkedIn | GitHub | Portfolio

PROFILE

Highly technical Developer and High-Potential Talent recipient with a 3.96 CGPA and a proven record of designing, deploying, and securing intellectual property rights for live AI-integrated software. Founder of an indie innovation lab specializing in computer vision pipelines, custom financial software architectures, and automated cloud systems. Demonstrated capability to enter traditional environments and design end-to-end digital transformations that scale

PROFESSIONAL EXPERIENCE

Founder & Lead Developer, MiraiWorks | Ipoh, Perak **Jul 2025 to Present**

- **Architected and legally copyraised (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 implemented automated text parsing via Tesseract.js OCR for receipt data validation.

Software Developer (Operations Digitization), WingZone (Under PKNP) | Ipoh, Perak **Aug 2025 to 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 scalable real-time database schemas** via Firebase to eliminate manual inventory and logging overhead.
- **Integrated Toyyibpay payment gateways** to securely process end-to-end encrypted live consumer financial transactions.

Freelance Web Developer, Independent Contractor | Ipoh, Perak **Nov 2025 to Present**

- **Engineered a proprietary automated financial management platform** for academic research clients, resulting in an institutional award for software utility at the INDES 2026 Innovation Tournament
- **Deployed tailored full-stack digital assets,** custom APIs, and highly responsive user interfaces using Next.js and Firebase for cross-functional student and commercial portfolios.

EDUCATION

Kolej Poly-Tech Mara (KPTM) Ipoh), Ipoh, Perak **Jul 2024 to Oct 2026**

Diploma in Multimedia (CGPA: 3.96) | *Graduating Oct 2026*

- **Key Academic Laurels:** Recipient of the Institutional Anugerah Potensi, 4-Star High-Impact Contributor, Senate's Award (Semesters 1, 2, 4, 6), and Dean's List honors consecutively.
- **Innovation Laurels:** Secured 6+ National and International Gold/Silver awards for AI software engineering (INDES, INVENTA, INNOVEX)
- **Departmental Ranking:** Awarded **1st Place / Best Final Year Project (FYP)** across the entire Multimedia Production department for engineering an enterprise-grade retail platform deployment.
- **Selected Placements:** Handpicked as 1 of the elite institutional profiles for the **Golden Scholar Leadership Camp 2025**.

TECHNICAL PROFICIENCIES

Core Languages (Proficient): TypeScript, JavaScript, Python, Kotlin, C++, HTML/CSS
Frameworks & UI Engines: Next.js, GSAP, Three.js, Anime.js, AOS
Backend & Databases: Firebase, PostgreSQL, SQL, phpMyAdmin, Prisma ORM
AI & Engineering Tools: OpenCV, MediaPipe, NLP (GPT-4o API), Tesseract.js (OCR), discord.py
Languages: Bahasa Melayu (Native), English (Proficient), Turkish (Conversational)