

MUH. AKSA

AI Engineer & Software Developer Intern Candidate | Computer Science Student

aksafigma@gmail.com | 085656741225 | linkedin.com/in/muh-aksa | github.com/aksaex

PROFESSIONAL SUMMARY

A seventh-semester Computer Science student at the Bacharuddin Jusuf Habibie Institute of Technology (ITH), specializing in Artificial Intelligence and Software Development. Experienced in translating classroom learning into practical, real-world solutions through national hackathons, community programs, and independent projects. Seeking an internship as an AI Engineer or Software Developer to contribute to scalable software and applied AI initiatives while continuing to grow as a builder and collaborator.

TECHNICAL SKILLS

AI & Machine Learning: Machine Learning, Deep Learning, Applied AI, Prompt Engineering

Software Development: Full-Stack Development, Progressive Web Apps (PWA), Back-End Development (Python)

Other Technical Skills: Penetration Testing, Data Scraping, Internet of Things (IoT) Integration, RAG Architecture

Languages: Indonesian (Native), English (Professional Working Proficiency)

KEY PROJECTS & INNOVATION

Agro Celebes — Founder | *PIDI Digdaya x Hackathon 2026 · National Top 80 Finalist (Bank Indonesia & OJK) · Feb 2026*

- Founded and led an agri-fintech initiative targeting food security and economic inclusion for MSMEs (micro, small, and medium enterprises).
- Developed an offline-first Progressive Web App (PWA) for users in areas without internet access, integrating RAG architecture and hybrid databases.
- Engineered “Space-Verified Credit,” using Sentinel-2 satellite data to build a manipulation-proof AgroScore as an alternative credit-scoring mechanism.
- Designed a B2B pre-harvest escrow and closed-loop system to secure agricultural capital (KUR) and reduce non-performing loans (NPL).

Smart Tree Monitoring Technology System — Capstone Project | *Jompie Botanical Garden (KRJ), Parepare · Sep 2025*

- Spearheaded an intelligent monitoring system to track and preserve protected tree species, aligned with Smart City environmental conservation goals.
- Integrated IoT sensors, AI models, and a web-based dashboard to deliver real-time tracking and analytics.

EXPERIENCE & LEADERSHIP

Initiator & Tech Mentor — KREASI-HP (Kreator Edukasi Website via Handphone) | *KKN ITH Batch III · Lompo Riaja, Barru*

- Pioneered a digital literacy program that removed hardware barriers for students at SMAN 5 Barru, enabling development work entirely from smartphones.
- Taught high school students to code, apply AI prompting techniques, and deploy websites to public servers.
- Mentored students in building digital portfolios and original ideas, showcased on the official KREASI-HP Gallery website.

EDUCATION

Computer Science | *Bacharuddin Jusuf Habibie Institute of Technology (ITH)*
Aug 2023 – Expected Mar 2027

CERTIFICATIONS & LICENSES

Dicoding Indonesia: Applied Machine Learning; Building Machine Learning Systems; Learn Deep Learning Fundamentals; Learn Machine Learning for Beginners; Prompt Engineering for Software Developers; Learn Back-End for Beginners with Python; Learn Google Cloud Basics; Learn AI Basics; Practical AI for Productivity; Getting Started with Programming with Python; Learn the Basics of Project Management; Introduction to Financial Literacy

LPPI – Your Strategic Partner: DIGDAYA Practitioner Phase (2026); DIGDAYA Essential Phase (2026)

Merdeka Siber: Certificate of Completion, MS/BOCSE/18/COC/007 (Nov 2025)