

Muhammad Ilham Akbar

AI Engineer | Fullstack Engineer

 vicase312@gmail.com
 Bogor, West Java, Indonesia

 [linkedin.com/in/m-ilham-akbar](https://www.linkedin.com/in/m-ilham-akbar)
 github.com/ilhamakbardev

PROFESSIONAL SUMMARY

AI Engineer and Fullstack Engineer with hands-on experience building AI-powered systems, frontend applications, RESTful APIs, and end-to-end web solutions. Passionate about translating complex AI and technical concepts into practical, real-world applications. Eager to expand into an Instructor role, sharing knowledge in AI engineering, machine learning workflows, and modern web development to help others grow in the tech industry.

TECHNICAL SKILLS

AI & ML	Tensorflow, PyTorch, Machine Learning, DVC (Data Version Control), AI Pipeline Development, Computer Vision, NLP, LLM, MLOps, Fine Tuning
Frontend	React.js, Next.js, TypeScript, JavaScript, Tailwind CSS, Material UI, Bootstrap
Backend	Node.js, Express.js, REST API, PHP, Laravel
Database	MySQL, MongoDB, Sequelize, Mongoose
DevOps & Tools	GitHub Actions, Git, Docker, Bash, Cloud Deployment
Instructional	Technical Training, AI/ML Concept Explanation, Documentation Writing, Mentoring

PROFESSIONAL EXPERIENCE

AI Engineer · Synopsis.id	Jul 2025 – Present
- Designing and developing AI-powered products and intelligent automation systems for enterprise applications. - Building and maintaining AI engineering workflows, including model integration, deployment pipelines, and monitoring. - Collaborating cross-functionally to translate business requirements into scalable AI solutions.	
Frontend Engineer · Synopsis.id	Jul 2023 – Jun 2025
- Developed and maintained scalable frontend systems using React.js, Next.js, and TypeScript. - Implemented reusable UI component libraries with Tailwind CSS and Material UI, improving development velocity. - Worked closely with design and backend teams to deliver high-quality user-facing features.	
Web Developer · PT. Luber Sukses	Dec 2024 – Mar 2025
Build company profile web.	
Web Developer · Kantor Konsultan Pajak Roro Bella Ayu	Dec 2023 – Mar 2024
Build company profile web.	

Fullstack Web Developer Intern · Alan Creative	<i>Feb 2023 – Jun 2023</i>
- Developed RESTful APIs and backend services using Laravel. - Developed Web Layout and Backend Service Integration using React.js.	
Electronics Practicum Assistant · UGM (Sensor & Telecontrol Systems Lab)	<i>Feb 2022 – Aug 2022</i>
- Guided undergraduate students through electronics lab practicals and sensor-based experiments. - Supported course instructors in preparing materials and evaluating student performance.	

EDUCATION

Undergraduate in Nuclear Engineering · Universitas Gadjah Mada (UGM)	<i>2019 – present</i>
Backend Development Bootcamp (MSIB Batch 3) · Skilvul	<i>Sep 2021 – Feb 2022</i>
Fullstack Web Development Bootcamp (MSIB Batch 2) · Binar Academy	<i>Feb – Aug 2021</i>