

Maulana Irfan

fcmirfan122@gmail.com • +62 812-8051-3590 • <https://www.linkedin.com/in/maulana-irfan-id> • maulanairfan.my.id

Education

IPB University

Bogor, Indonesia

Diploma 4 (Applied Bachelor) in Software Engineering (GPA: 3.50/4.00)

Aug 2023 - Aug 2027 (Expected)

- **Academic Achievement:** Awarded "Best AR Project" for excellence in Virtual and Augmented Reality technology.
- **Publication:** Author of "Pengembangan Aplikasi Berbasis Kecerdasan Buatan untuk Diagnostik Penyakit dan Optimalisasi Ekosistem Akuarium" (2026).
- **Copyright:** Co-holder of HAKI registration from Kemenkumham for the Mauna software system (2026).
- **Competitions:** Competed in 10+ national-level tech and business competitions, securing 4 major wins/finalist positions.

SMK Telkom Jakarta

Jakarta, Indonesia

Software Engineering

Aug 2020 - Jul 2023

- **Certification:** Certified Professional in Software Development (National Competency Certification / BNSP).
- **Extracurricular/Experience:** Served as a Web Developer for the school's *Unit Produksi*, developing and delivering professional-grade digital solutions.

Work Experience

Kodehana

Bogor, Indonesia

FullStack Developer -
freelance

Oct 2025 – Present

- **Led** a 5-member development team to architect and deliver custom software solutions, including medical information systems and a professional e-commerce platform using WordPress.
- **Designed** core database schemas, initialized configurations, and engineered data integration pipelines across 3 major projects utilizing Laravel.
- **Executed** end-to-end development to deployment processes, including user interface slicing, data integration, and module configuration for monolith applications to ensure system interoperability.

Unit Produksi SMK Telkom Jakarta

Jakarta, Indonesia

Web Developer - Intern

Nov 2022 - Jul 2023

- **Developed** an internal business web application using Laravel Livewire to automate tracking and streamline operational workflows.
- **Deployed** a WordPress site for SLBN 11 Jakarta and trained staff members to ensure smooth platform adoption and maintenance.

CV Kreatorku Indonesia

Tangerang, Indonesia

Frontend Developer - Intern

Feb 2022 - Jul 2022

- **Developed** frontend features for the Arxist platform using Angular, including the anonymous Q&A modules and interactive stream overlays.
- **Built** and styled responsive landing pages using Angular and Tailwind CSS, ensuring pixel-perfect designs across various screen sizes and devices.
- **Engineered** a custom Discord bot using Discord.js to automate community interactions and connect server activities with the web platform.

Projects

Mauna (Sign Language Learning Platform Project)

AI Engineer

Bogor, Indonesia
Sep 2025 – Oct 2025

- **Built** a comprehensive sign language education platform implementing a decoupled architecture with Next.js on the frontend and FastAPI on the backend.
- **Deployed** a trained Multi-Layer Perceptron (MLP) model by integrating the pickle file into FastAPI endpoints for real-time gesture classification with 94% accuracy.
- **Connected** backend AI services to the frontend and developed interactive quiz features using Next.js from development to deployment using Docker.

Fishco - Smart Aquarium Mobile App

Project Manager & AI Engineer

Bogor, Indonesia
Aug 2024 - Sep 2024

- **Led** the cross-functional development team as Project Manager to build a smart aquarium ecosystem utilizing Java for the mobile application and Laravel for the backend infrastructure.
- **Designed** the comprehensive system architecture, including database schemas, end-to-end data flows, and backend API specifications to ensure seamless mobile-to-system integration.
- **Engineered** and deployed a hybrid AI diagnosis system, incorporating a Convolutional Neural Network (CNN) for visual fish disease detection and a Rule-Based Expert System to analyze behavior and compatibility.

Organization

Himavo MicroIT IPB

Webmaster & Logistics Staff

Bogor, Indonesia
Feb 2024 – Aug 2024

- **Participated** in intensive internal frontend development training, dedicating 135 learning hours to master React fundamentals.
- **Managed logistical** procurement and technical setups for 2 major flagship events, including the Company Visit and Micro Awards 2024.

Skills , Achievements & Interests

Technical Skills: React, Laravel, Next.js, Angular, Tailwind CSS, Flutter, PHP, Java, JavaScript, Python, MySQL, PostgreSQL, Docker, Git/GitHub, Linux, Machine Learning, Computer Vision, Agile Methodology.

Certifications: Docker Foundations Professional Certificate by Docker (2026); Microservices Foundations Professional Certificate by Kong (2026); Geospatial Data Analytics Essential Training by LinkedIn Learning (2025); Design User Experiences with Figma by LinkedIn Learning (2025).

Honors & Awards: 1st Place – National Website Development ITASE 6.0, Telkom University Purwokerto (2025); 1st Place – National Business Model Canvas MaFIA Industry Insight, Brawijaya University (2025); Runner Up – Web Development FIT Competition, UKSW (2024); Finalist – Business Plan Competition, Universitas Muhammadiyah Purwokerto (2026).

Languages: Indonesian & English

Interests: Designing efficient system architectures, optimizing software and AI pipelines for high performance, exploring new AI/ML technologies, and competing in hackathons.