

# Fikri Armia Fahmi

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## ABOUT ME

I am a passionate and versatile software developer with strong experience ( $\pm 2$  years) in **Full-Stack Web Developer** and **AI Engineering**. I have developed various web applications using technologies such as React, Laravel, Express.js, and MongoDB, while also implementing intelligent features using Python frameworks like Torch, TensorFlow, and Scikit-Learn. My portfolio includes **over 30 completed projects** covering dynamic websites, backend APIs, and smart applications, reflecting my ability to manage both frontend and backend development. I hold certifications from IBM, Google, Meta, and other platforms. I am committed to continuous learning and delivering real-world solutions through clean, efficient, and scalable code.

## EDUCATIONS

<b>SMA Unggulan CT ARSA Foundation Sukoharjo</b> <i>Academic Mathematics and Natural Sciences</i>	2019 - 2022
<b>Universitas Pembangunan Jaya</b> <i>Department of Informatics</i> Latest IPK (Semester 4): <b>3.79</b>	2023 - Now

## EXPERIENCE

<b>Robotic and AI Engineering</b> Grant Project   Location: UPJ, South Tangerang (On Site)	<b>July 31, 2025 – Now</b>
<b>Description:</b> <ul style="list-style-type: none"><li>Developing an AI-based waste sorting system using YOLO and CNN.</li><li>The AI classifies mixed waste: can, glass, plastic, and other.</li><li>Simultaneously building a user interface (UI) to visualize and control the robotic system.</li><li>Robotic arms or delta robots will execute real-time waste sorting based on AI output.</li><li>Goal: boost recycling efficiency, reduce manual labor, and offer a replicable model for sustainable waste management.</li></ul>	
<b>Front-End Developer (Website Company Profile UPJ)</b> Apprenticeship   Location: UPJ, South Tangerang (On Site)	<b>June 7, 2025 – August 8, 2025</b>
<b>Description:</b> Developed and improved the user interface of UPJ’s official website by implementing responsive layouts and addressing visual issues using modern front-end technologies. Identified and fixed layout inconsistencies such as misaligned text and image scaling, and enhanced accessibility across static pages like Program & Fees, Admission, and Student Organizations to ensure a consistent user experience on both desktop and mobile platforms.	
<b>HIMAFORKA (Himpunan Mahasiswa Informatika) 2024</b> Academic Achievement Division   Location: UPJ, South Tangerang (On Site)	<b>July 01, 2024 - December 31, 2025</b>
<b>Description:</b> Responsible for managing academic-based student programs, organizing workshops, and curating educational content related to programming and data. Collaborated with fellow students to promote technical excellence within the department.	
<b>SKILLS</b>	
<b>Programming:</b>	Python, PHP, JavaScript, Typescript, SQL, NoSQL
<b>Databases:</b>	MySQL, MongoDB, SQLite
<b>Web Development:</b>	Laravel, React, Express.js, Filament
<b>Machine Learning &amp; AI:</b>	Torch, TensorFlow, Scikit-Learn, Keras

## AWARDS & PERFORMANCE

- **Full Scholarship Recipient - Online Scholarship Competition (OSC)**

August 01, 2024 - Now

Awarded a full-tuition undergraduate scholarship at Universitas Pembangunan Jaya (UPJ) through the Online Scholarship Competition (OSC), a national selection program by Medcom.id. The scholarship is granted based on academic excellence and performance in a competitive online exam, covering all tuition fees for the entire duration of study at UPJ.
- **CONFAB'25 Multidisciplinary International Conference**

February 11, 2025

Held by Chikitsak Samuha’s Sir Sitaram & Lady Shantabai Patkar College of Arts & Science and V.P. Varde College of Commerce & Economics, University of Mumbai, in collaboration with Rajamangala University of Technology Thanyaburi, Thailand. My research title: “*Analysis of Telkomsel Signal Distribution in the Banten Region Utilizing GIS with Network Analysis and K-Nearest Neighbor Algorithms*”.

## PROJECTS

1. **SentrySol Langchain – AI Agent**

<https://github.com/fikriaf/SentrySol-Langchain>
2. **UIXO - Auto Generate & Render UI**

<https://github.com/fikriaf/UIXO>
3. **AI Vision Web – Websocket Integration AI**

<https://github.com/fikriaf/AI-Vision-Web>
4. **MCP Agents Auto Create Laravel Projects**

[https://github.com/fikriaf/mcp\\_agents\\_create\\_laravel](https://github.com/fikriaf/mcp_agents_create_laravel)
5. **Wekker - Auto Web Page Generator**

<https://github.com/fikriaf/wekker>
6. **GPAllytics - Analyze with AI Integration**

[https://github.com/fikriaf/GPAllytics\\_FrontEnd](https://github.com/fikriaf/GPAllytics_FrontEnd)
7. **Network Mapping & Analysis**

<https://github.com/fikriaf/mapping-network-analysis>
8. **Faftech AI - Website AI Base on LLM**

<https://github.com/fikriaf/faftech-ai>
9. **FaceDetect - Haar cascade classifier**

<https://github.com/fikriaf/Face-Detect>
10. **Vitsmart Database System**

[https://github.com/fikriaf/vitsmart\\_DB](https://github.com/fikriaf/vitsmart_DB)
11. **CorePoint App - Built Using Python**

<https://github.com/fikriaf/Core-Point-v1>
12. **And 50 other projects, on [My Repo Github](#)**

## CERTIFICATIONS

- Advanced MySQL Topics (Meta)

• Developing Back-End Apps with Node.js and Express (IBM)

• Dynamic Programming, Greedy Algorithms (University of Colorado Boulder)

• Foundations of User Experience (UX) Design (Google)

• Generative AI - Introduction and Applications (IBM)

• Generative AI-Prompt Engineering Basics (IBM)

• Introduction to Databases (Meta)
- Introduction to HTML, CSS, & JavaScript (IBM)

• Introduction to Software Engineering (IBM)

• Laravel Additional Security (INFOSEC)

• Laravel - Configure, Validate, Authenticate and Courses (INFOSEC)

• Laravel Protections (INFOSEC)

• Relational Database Design (University of Colorado Boulder)

• And [Click Here to See Certificate](#)

## PUBLICATIONS

### OSC Medcom Community:

- <https://osc.medcom.id/community/author/barayaroas@gmail.com>

### Other Publications:

- [Kumparan Profile](#), [Kompasiana Profile](#), [Good News from Indonesia \(GNFI\) Profile](#)

## LANGUAGES

- Indonesian (Native)
- English (Professional Working Proficiency)