

# MUHAMMAD HENRY ADITYA

Software Engineer | Fullstack Web Developer | Machine Learning Engineer  
Banjarbaru, South Kalimantan, Indonesia | +6285246174935 | adityahenry2@gmail.com  
<https://www.linkedin.com/in/muhammad-henry-aditya/> | [mha-portfolio.vercel.app](#)

## PROFILE

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I am Muhammad Henry Aditya. Dedicated, adaptable web/AI developers with 1 year of hands-on experience in front-end and back-end development. Proven ability to work effectively in a team, striving to solve problems collaboratively. Committed to personal and team success, with a strong drive to achieve outstanding results in every project undertaken. In addition to my abilities in website/AI development, I also emphasize other valuable skills such as project management and problem-solving that will help me improve. I'm also excited to learn new aspects of web/AI development to stay updated with the latest advancements in the field.

## EDUCATION

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### LAMBUNG MANGKURAT UNIVERSITY

Faculty of Mathematics and Natural Sciences | 2022 – 2026 | 3.77  
Computer Science Department

### SMAN 2 BANJARBARU

July 2019 - July 2022

## EXPERIENCE & INTERNSHIP:

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### Information and Communication Technology Academic Support Unit, ULM

Junior Machine Learning Engineer, Fullstack Web Developer

Banjarbaru, South Kalimantan

September 2025 – October 2025

- Managing pre-processing of criticism data and service suggestions at Lambung Mangkurat University, Improve data analysis efficiency by refining structure and validation before the next stage, thereby accelerating the evaluation process by up to 50%.
- Develop innovative LLM machine learning models for topic and sentiment analysis in the SIAKSA ULM system (Criticism and Suggestion Analysis System, ULM), with a language structure clear and focused.
- Developing Docker images as the main foundation of API systems with standard implementation professional technical skills.

### PT. Haktivate Teknologi Indonesia

Developer React.js Front-end of Independent Study Program

September 2024 – December 2024

- Participate as a Student of the Independent Study Program (MSIB)
- Developing E-Commerce Front-end Web Applications based on React.js

### PT. Ruang Algo Multimatics

Front-end Internship, Back-end Website, QA Engineer

Banjarbaru, South Kalimantan

February 2024 – June 2024

- Develop a Restful API that supports integration and management of various website efficiently.
- Collaborate with cross-functional teams to develop responsive websites that Optimized across a wide range of desktop and mobile devices, ensuring a consistent and professional user experience.
- Implement a single-page application based on Nuxt JS to improve performance and user experience innovatively and efficiently.
- Professionally test the functionality and reliability of web application features and API services.

### CV. Iqromaya Global Mandiri

Independent Campus Entrepreneurship (WMK) Internship

Banjarbaru, South Kalimantan

October 2023 – December 2023

- Collaborate professionally with MSMEs and the South Kalimantan Provincial Government in the preparation of MSME catalogs by digitising with website.

## PROJECT

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### SIAKSA ULM – Criticism and Suggestion Analysis System of Lambung Mangkurat University (UPA TIK, ULM)

- Combines Laravel Filament and Flask APIs for critical analysis and campus service recommendations.
- Develop LLM machine learning models with text data processing using various tools such as MS Excel.

- Build a Python-based sentiment and topic analysis system.

#### **Digi Klinik – Beauty Clinic Management System (PT. Ruang Algo Multimatics)**

- Contribute significantly to the development of the article's application front-end features by designing and implementing a friendly and responsive user interface to improve the user experience.
- Playing a role in creating and improving the API of the LoopBack 4 (Typescript) system for Digiklinik, including efficient API endpoint creation, troubleshooting, and performance optimization so that data interaction between front-end and back-end runs smoothly.

#### **SMP – Government Supervision Management System (PT. Ruang Algo Multimatics)**

- Develop front-end features of user and employee management applications with intuitive interface design and responsive design principles to improve usability.
- Contribute to the development and improvement of the LoopBack 4 back-end API for SMP (Typescript), including robust API endpoint creation, debugging, troubleshooting, and backend performance optimization to ensure efficient and reliable data exchange between the front-end and back-end.

#### **SIA – Academic Institution Management System (PT. Ruang Algo Multimatics)**

- Develop and execute test plans, identifying and documenting bugs, and collaborating with the development team to resolve issues. My efforts helped guarantee that the application met quality standards and functioned smoothly for end-users.

#### **MHStore – An E-Commerce Front-end Web Application (PT. Hactivate Teknologi Indonesia)**

- I have finished my capstone project related with my MSIB Programme in PT. Hactivate Teknologi Indonesia, MHStore.
- MHStore is a modern e-commerce web application built with ReactJS + Vite and styled using Tailwind CSS with Flowbite-React components.

### **ORGANIZATIONAL EXPERIENCE**

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#### **HIMAKOM - Information Technology Development (PTI)**

January 2024 – December 2024

Member of Information Technology Development Division (PTI)

### **SKILLS**

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- Office Applications: Word, Excel, PowerPoint, PowerBI
- Common Language Programming: Java, JavaScript, Typescript, PHP, Python, Node.js
- Machine Learning Development: Pandas, TensorFlow, Matplotlib, YOLO, BERT, BERTopic, IndoBERT
- Website Development: HTML, CSS, MySQL, Vue.js, Nuxt.js, React.js, Next.js, Laravel 12, Loopback 4
- Other skills: Linux CLI for Remote Server, Git

### **LANGUAGE**

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- Indonesia Language
- English

### **CERTIFICATION**

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- Microsoft : Microsoft Office Specialist in Excel 2019
- Digital Talent Scholarship: Fundamental Deep Learning
- Digital Talent Scholarship: Intermediate Deep Learning
- Dicoding Indonesia: Learning Machine Learning for Beginners
- Dicoding Indonesia: Learning the Basics of AI
- Dicoding Indonesia: Learn the Basics of Data Visualization
- Dicoding Indonesia: Getting Started with Programming with Python
- Dicoding Indonesia: Learning to Create a Web Front-End for Beginners
- Dicoding Indonesia: Learn the Basics of Web Programming
- IBM: Web Development Fundamentals
- Codepolitan : Certificate of Fast Learning Class Vue.js
- BNSP : Digital Marketing