

# MUHAMMAD YUSUF ANDRIKA

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[github.com/MuhammadYusufAndrika](https://github.com/MuhammadYusufAndrika) **Sleman, Yogyakarta, Indonesia**

I am a 6th semester student of S1 Informatics with a concentration in Database Programming. I have high self-confidence strong work spirit, and sufficient experience in web development and machine learning. With my programming skills, I am able to bring creative and efficient solutions in solving various problems in the field of web development. In addition, I also have a keen interest in the exploration and development of skills in machine learning, particularly to address the challenges that arise in the development of artificial intelligence. With this background, I am confident that I can make a positive contribution.

## Education

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### Amikom University Yogyakarta - Yogyakarta

Sep 2022 – Present

*Informatics; Faculty of Computer Science GPA: 3.91/4.00*

**Relevan courses:** Web Programming, Database Programming Courses.

### Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

Sep 2024 – January 2025

**Relevan courses:** Machine Learning Cohort

## Professional Experience

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### Laboratory Assistant - Yogyakarta

Feb 2024 - Present

As a laboratory assistant, my job is to assist the lecturer during the practicum session. Sometimes, I was also assigned to fill in for the lecturers when they were absent. In this role, I am required to facilitate effective communication between the lecturer and other students and be able to help provide understanding of the material being taught.

### Programming Course Laboratory Assistant

Feb 2024 – July 2024

- Teach more than 70 students per semester about OOP (Object Oriented Programming) using C#

### Data Communication Course Laboratory Assistant

Feb 2024 – July 2024

- Teach more than 100 students per semester in data communication courses, covering topics such as data transmission, and wireless communication and microcontroller simulation.

### Database System Laboratory Course Assistant

September 2024 – January 2025

- Teach more than 100 students per semester in data communication courses, covering topics such as data transmission, and wireless communication and microcontroller simulation.

### Advanced Programming Course Laboratory Assistant

September 2024 – January 2025

- Teach more than 100 students about MVC (Model View Controller) using C#.

### Database Programming Course Laboratory Assistant

Maret 2025 – Present

- Teach more than 50 students about MVC (Model View Controller) using C#.

### Big Data Course Laboratory Assistant

Maret 2025 – Present

- Teach more than 50 students about Machine Learning to predict Data kontinu using regression algorithms

### Web Programming Course Laboratory Assistant

Maret 2025 – Present

- Teach more than 100 students about creating website using PHP

## Organization Experience

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### Informatics Student Association – Staff of the Research and Development Division Management

2023 - Present

- Being the executor in the draft agenda and work program that has been formed.
- Manage and develop HMIF website.

#### **National Informatics Seminar 2023 Event Manager**

- Create and organize the event. Success to get a total of 100+ participants.

#### **Expo 2023 Publication, Decoration, and Documentation**

- Coordinate the creation of publicity materials such as brochures, flyers, and social media.
- Design and manage the decoration at the Expo stand, creating an attractive and professional environment.

#### **Web Development 2024 Front-End Developer**

- Contribute to the creation of user interfaces and regular updates of the HMIF website.

#### **PPM Amikom 2024 Mentor Mobile**

- Ensure that all mentors in the class carry out their duties properly.
- Coordinates more than 100 mentors in the class.

#### **Workshop Informatics 2024 Project Leader**

- Create and organize the event.

#### **Workshop Informatics 2024 Steering Committee**

- Directing the committee to carry out its duties properly

#### **Lecture Project Experience**

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- **Cashier Program** (2022): handling for creating purchase and sales transaction logic using C++.
  - **PIC Web Informatic Association** (2023): handling for the design, creation and maintenance.
  - **Cinema Booking System** (2023): handling for creating signup and login features using C++.
  - **Financial record app** (2023): handling for designing and creating UI using C# language with Bunifu framework •
  - **Smart Pet Feeder** (2023): handling for making IOT Smart Pet Feeder using microcontroller.
  - **Cashier Program** (2022): handling for creating purchase and sales transaction logic using C++
  - **Web Company Profile** (2024): handling frontend and backend development to create a dynamic website using Bootstrap & PHP.
  - **Destination Recommendation** (2024) : Handling building model machine learning for give recommendation about place destination
  - **Fullstack Web Developer HMIF** (2025) : Developed an organizational information system using Laravel 11 and MySQL, including CRUD features, user authentication, and dynamic content management.
  - **Stock Pedictions** (2025) : Handling building model to predict stock BCA Bank using Regression Linear, XGBoostRegressor and Suport Vector Regression
  - **Online Logbook** (2025) : Handling create a website to store photos as an online logbook. Using Next.JS
  - **Simiko** (2025) : Managing IT project development lifecycle, coordinating team workflows, setting project milestones, and ensuring successful delivery using Agile methodology.

#### **Skills**

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- **Language:** Indonesia (native) , English (intermediate)
  - **Pemrograman:** HTML, CSS, CSS Framework, C#, C++, PHP, Python, Laravel, Javascript, MySQL. Postgree
  - **Design:** Figma, Canva, Adobe Premiere Pro.
  - **Personal Skills:** Negotiation, Communication, Problem Solving, Critical Thinking, Adaptive and Flexible, Leadership and Teamwork