



# ALIF BIMA MAHENDRA

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Sleman, Yogyakarta

I am an Information Systems student at UPN "Veteran" Yogyakarta with a deep interest in web development, data analytics, and geographic information systems. My academic and project experiences have strengthened my analytical thinking and research skills, including work with Laravel-based systems, survey data processing using SPSS and R Studio, and spatial analysis through QGIS. I aspire to pursue a career in software development and data-driven research. With strong problem-solving, collaboration, and adaptability skills, I am eager to contribute to research initiatives and continuous learning within a professional and academic environment.

## Work Experiences

### UPN "VETERAN" YOGYAKARTA - Sleman, Indonesia

Feb 2024 - Present

#### Laboratory Assistant

- Supervised and guided students during practical sessions, ensuring proper understanding of technical concepts.
- Evaluated and graded over 50 student reports and assignments throughout the semester.
- Helped develop and revise laboratory modules to improve learning quality and experiment accuracy.

### UPN "VETERAN" YOGYAKARTA - Sleman, Indonesia

Feb 2025 - Present

#### Teaching Assistant

- Supported lecturers in delivering theoretical classes for more than 40 students per semester.
- Assisted in preparing lecture materials and facilitating classroom discussions to enhance student engagement.
- Collaborated with lecturers on small-scale research projects related to course development.

### PSEKUIN (Center for Economic, Financial, and Digital Industry Studies) - Sleman, Indonesia

Jun 2025 - Present

#### Research Assistant

- Assisted senior researchers in data collection, analysis, and report preparation for regional and national research projects.
- Conducted literature reviews and helped process both quantitative and qualitative data.
- Supported drafting and presentation of research findings for academic and policy purposes.
- Collaborated with research teams to ensure accuracy and consistency in data management.
- Participated in the following research projects:
  - Analysis of Champion Development and Downstreaming of Chili Commodity in Central Java 2025
  - Impact of the Nutritious Lunch Program in Yogyakarta on Economic Performance, Inflation Stability, and Employment
  - Mapping Study of Potential and Leading Tourism Development in the Mataraman Region

## Education

### Universitas Pembangunan Nasional Veteran Yogyakarta - Sleman, Indonesia

Aug 2023 - Nov 2026 (Expected)

#### Bachelor of Information System, 3.82/4.00

- Focused on information systems analysis, database management, and digital business process optimization.
- Actively engaged in academic and research activities within the Department of Information Systems.
- Roles and involvement:
  - Laboratory Assistant – Supported practical classes in programming, database, and business process management courses.
  - Teaching Assistant – Assisted lecturers in class preparation, grading, and facilitating student discussions.
  - Research Assistant – Contributed to projects under PSEKUIN (Center for Economic, Financial, and Digital Industry Studies), including studies on regional economic development, digitalization, and tourism potential mapping.

## Organizational Experience

### Donor Darah FTI 2024 - Sleman, Indonesia

Apr 2024 - May 2024

#### Health Staff

- Coordinated medical checks and ensured proper health documentation for over 100 blood donors.
- Supported logistics and post-donation care to maintain participant safety and comfort.
- Collaborated with the organizing team to ensure smooth event operations and timely execution.

### PKK SI 2024 - Sleman, Indonesia

Sep 2024 - Nov 2024

#### Deputy Coordinator of Health Division

- Led a team of 10 members in planning and executing student health programs during the orientation period.
- Oversaw implementation and evaluation of division activities to ensure alignment with event objectives.

- Contributed to the preparation of the division's final report and activity documentation.

**CODE 124 (Web Information Systems Community ) - Sleman, Indonesia**

Aug 2024 - Feb 2025

*Back-End Developer Staff*

- Developed and maintained the back-end system of the community's internal web project using Laravel.
- Collaborated with front-end developers to ensure efficient integration and data management.
- Improved database efficiency and API performance, resulting in a 20% faster system response.

**CODE 124 (Web Information Systems Community)**

Mar 2025 - Present

*Mentor*

- Mentored and guided junior members in learning and applying back-end development using Laravel and MySQL.
- Provided technical assistance and code reviews to improve members' understanding of software architecture and clean coding practices.
- Collaborated with the core team to design and develop internal web projects, ensuring maintainable and scalable systems.
- Conducted weekly mentoring sessions to enhance members' skills in web development and project collaboration.

**Kemampuan, Penghargaan, dan Kompetisi**

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- Projects** (2024): User Satisfaction Analysis of BIMA UPNVY Using the DeLone and McLean Model
- Projects** (2024): Medicine Management System for DESAMA Clinic
- Projects** (2025): Spatial Analysis of Healthcare Facility Accessibility from Trans Jogja Bus Stops in Yogyakarta City
- Projects** (2025): BarBim+ (Online Psychological Test Website)
- Achievements** (2025): Junior Web Developer (BNSP)
- Software** (2025): Microsoft Office (Word, Excel, PowerPoint); UI/UX Design (Canva, Figma); Programming (C++, PHP, JavaScript, Python, Java, R) using Visual Studio Code; Data Analysis with SPSS
- Languages** (2025): Languages: Indonesian (Native), English (Intermediate)