

Zahra Zakila Anindha Rahmanti

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A tech enthusiast with a strong foundation in full-stack web development, IoT systems, and software-hardware integration. Experienced in building user-centric web applications and real-world IoT projects, including TB-Box, an smart medicine box with a patented design. Proficient in HTML, CSS, JavaScript, PHP (Laravel), Python, and C/C++, with hands-on experience in MySQL, and backend frameworks such as Node.js.

EDUCATION

UIN Sunan Kalijaga Yogyakarta

2023 – Present

- Informatics
- GPA:3.86

TECHINICAL SKILLS

- **Web Development:** HTML, CSS, JavaScript, PHP (Laravel), MySQL, SQLite, RESTful APIs, Chart.js, Express.js
- **Backend & Programming Languages:** PHP, Python, C, C++, Java
- **Framework & Tools:** Laravel, Node.js, Git, Arduino IDE
- **Embedded Systems:** Sensor Integration (DHT11, PIR, LDR, RTC, etc), Microcontroller Programming (ESP8266, ESP32, ATmega328, Arduino, etc), Communication Protocols (MQTT), Simulation (Proteus, Wokwi)

PROJECT EXPERIENCE

Befit-Space: Web-Based Fitness Management Platform – 2025

Built with Laravel, PHP, Tailwind CSS, MySQL

- Collaborated in a 4-member agile team to develop *Befit-Space*.
- Implemented the project using SCRUM methodology, with defined sprints, backlog grooming, daily stand-ups, sprint reviews, and retrospectives to ensure continuous delivery and iteration.
- Engineered the backend using Node.js, Laravel, and MySQL.
- Developed the frontend using PHP and styled the UI with Tailwind CSS.
- Used Git & GitHub for version control and team collaboration.

Risk Management Information System UIN Sunan Kalijaga – 2025

Built with PHP Native, Tailwind CSS, MySQL

- Led a 5-member team to developed a custom web-based risk management system using native PHP and MySQL to support structured risk identification, evaluation, and mitigation processes.
- Designed and implemented dynamic data input forms, risk categorization logic, and interactive dashboards for easier monitoring and reporting.
- Integrated CRUD functionality with validation and role-based access control to ensure secure data handling and user management.

TB-Box: IoT-Based Smart Medicine Box To Help Medication Tuberculosis Patient – 2024

Patent Certified – IPR No. DJKI/2023/09

- Develop a smart medicine box using Arduino Uno, Node MCU ESP8266, RTC module, LED, OLED Display and push buttons, aimed at improving medication adherence for tuberculosis patients.
- Designed and developed an IoT-based smart medicine box using NodeMCU with built-in web server and Blynk platform to support medication reminders and user interaction.
- Implemented real-time data monitoring using MQTT protocol to synchronize device status with the web platform.
- Achieved positive feedback from users, who reported the system significantly improved their medication routine.
- Currently migrating the system to a fully custom web platform

ORGANIZATION AND COMMITTEE EXPERIENCE

President, Study Club Informatika

Jun 2025 – Present

- Lead the strategic direction and overall operations of the club, fostering a collaborative and growth-oriented environment for Informatics students..
- Oversee planning and execution of all programs, workshops, and initiatives, ensuring alignment with academic and professional development goals.

Vice President, HMPS Informatika

Feb 2025 – Present

- Elected to lead and coordinate strategic initiatives for the Informatics Student Association, representing over 380+ students.
- Oversaw leadership development, academic enrichment programs, and internal restructuring to increase member engagement.

Awardee, XL Axiata Female Future Leader

Nov 2024 – Present

- Selected 100 from 1,799 high-achieving women students across Indonesia (top 5.6%).

Coordinator, Student Resources Division, HMPS Informatika

Feb 2024 – Feb 2025

- Developed and implemented the SDM Pedia program, a platform to provide academic and non-academic information via social media (Instagram), posted monthly.
- Organized the Career Preparation Seminar, successfully attended by 65 participants.
- Initiated and grew the Informatics Study Club with 70 active members.
- Organized UINIC 6.0, which consists of training, competitions, and a national seminar. With total 500+ participants.

AWARDS

Student Delegate, ASEAN Exhibition and Forum Malaysia

Feb 2025

Kuala Lumpur, Malaysia

- Co-founded and presented InterNex ASEAN (lanternship) as Chief Technology Officer (CTO), a cross-border initiative developed with a team from Singapore, Malaysia, and Indonesia.
- Built a digital platform to connect ASEAN youth with remote internship opportunities, promoting inclusivity and international experience.
- Represented Indonesia and engaged in discussions aligned with ASEAN Community Vision 2045 and SDG 10 (Reduced Inequalities).

CERTIFICATIONS AND LICENSES

• TOEFL ITP, ETS

Score: 540

Jun 2023 – Jun 2025