MUHAMMAD RIZKI KURNIAWAN

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An enthusiastic undergraduate IT student at President University with a strong and growing interest in web development. Passionate about building user-friendly and responsive websites using technologies such as Laravel, Flask, JavaScript, and modern frameworks. Currently interested in backend and frontend development, and eager to keep learning new tools and best practices. While I have explored IoT technologies through hands-on projects with platforms like Arduino

EDUCATION

President University

Student of Information Technology.
- Current Cumulative GPA : 3.62

Tangerang, Tangerang Regency
2023 - Present

WORK EXPERIENCE

Campus Project   **January 2025**
IoT Embedded System

- Developed a manually controlled car using IoT-based communication Wi Fi allowing real-time movement via smartphone or web dashboard.
- Developed a Prototype Robotic Arm for Industrial purpose that can be controlled manually by joystick and button or Automatically

PT Mattel Indonesia   **May 2025**
Bootcamp

- Developed a real-time attendance monitoring system for a doll assembly line prototype (legs, body, head) using RFID and infrared (IR) sensors.
- Integrated RFID cards for operator identification and IR sensors for automatic seat presence detection to ensure check-in accuracy without manual input.
- Built a backend system using MySQL for storing operator data, attendance logs, and skillsets.
- Created a web-based dashboard to display real-time line status, attendance, and skill-based operator replacement suggestions.

PT Surya Citra Media,Tbk   **August 2025**
Web Developer Intern

- Proficient in full-stack development, demonstrated ability to handle both design and implementation tasks: designing interfaces using Figma and coding the application using the Laravel/Vue.js/PostgreSQL stack.Vue.js for front-end interactivity, and PostgreSQL for reliable data storage.
- Utilized Git for robust version control and streamlining the code deployment process.
- Responsible for the full lifecycle development and maintenance of applications customized specifically to meet user requirements.

HARD SKILL

- **Web Programming**

Experienced in developing and maintaining web applications using HTML, CSS, JavaScript, and PHP to build responsive and dynamic systems. Skilled in using frameworks and libraries such as Vue.js, React, and Laravel to create efficient, scalable, and well-structured web applications. Able to integrate frontend and backend components to deliver functional and user-friendly web solutions.

- **Database Management**

Experienced in designing, managing, and maintaining relational databases to ensure data accuracy, integrity, and performance. Skilled in creating tables, defining relationships, and writing SQL queries for data operations such as insert, update, delete, and retrieval, using databases such as MySQL and PostgreSQL. Able to optimize database structure and queries to support application and business needs.

- **UI/UX Design**

Skilled in creating user-friendly and visually appealing interfaces using Figma, including wireframes, prototypes, and user flows to support effective digital experiences.

- **IoT & Embedded System**

Knowing the basic concepts of embedded devices using microcontrollers and sensors to capture and process data. Able to build simple IoT systems for monitoring, automation, and real-time data communication.

SOFT SKILL

- **Adaptability**

Able to quickly adjust to new situations, technologies, and work environments. Comfortable learning new tools and handling changes to stay productive and effective in different conditions.

- **Teamwork**

Able to work effectively with others in a team, communicate clearly, and contribute ideas to achieve common goals and complete tasks efficiently.

- **Communication**

Skilled in expressing ideas clearly and professionally, both verbally and in writing, to ensure smooth collaboration and effective information sharing.

TOOLS

- Programming - VSCode, Android Studio, Arduino IDE, MQTTX, GIT, XAMPP, Docker
- Design - Canva, Figma
- Front End: Bootstrap. TailwindCSS, Java Script, Vue.js, React.js
- Back End: SQL, Flask, Laravel, PHP, Python