

Muhammad Sultan Raisyah

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PROFILE

Educational background in Computer Science with experience as an IT Support intern. I possess good skills in software development, particularly in web programming and multimedia. My expertise includes user interface design, system interaction, and working with industry case studies to develop practical solutions. I am proficient in designing and developing web applications, with hands-on experience in front-end development.

EDUCATION

Lampung University September 2020 – January 2025

Bachelor of Computer Science (S.Kom)

- **GPA:** 3.63
- **Courses :** Software Engineering, Interaction Systems, Multimedia, Web Programming, Industry Case Study
- **Thesis:** Developed a Smart Farming using Internet of Things project assigned by a lecturer, creating a rodent deterrent device using ESP32-CAM, PIR Sensor, and buzzer to enhance agricultural protection.

CAREER MAIN ROLE

A Front-End Developer with a strong focus on UI Engineering, passionate about crafting or slicing intuitive and visually appealing web interfaces. Proficient in JavaScript frameworks like Vue.js, along with Tailwind CSS, Bootstrap, and CodeIgniter4, I specialize in building seamless and responsive user experiences. I have experience developing an Early Warning System and a dynamic temperature monitoring page. Always eager to learn, I thrive in collaborative environments and adapt quickly to new challenges to drive innovation.

EXPERIENCE

PetroChina International Jabung Ltd. January 2023 – June 2023

IT Support Internship

- Facilitated communication regarding technological issues and reported malfunctions to the IT division.
- Assisted in assembling fiber optic cables.
- Contributed to the development of the Early Warning System to detect temperature and humidity using ESP8266 and DHT11 sensors.
- Ensured data collected was sent to a database and displayed on a website I developed, enhancing monitoring capabilities.

PROJECT

Early Warning System (EWS)

- Designed an intuitive UI/UX using Figma and implemented it with HTML, CSS, and Bootstrap for a responsive and user-friendly interface.
- Developed the system’s front-end and back-end using JavaScript for interactivity and CodeIgniter4 (PHP framework) for data management.
- Integrated ESP8266 and DHT11 sensors to monitor server room temperature and humidity in real-time.
- Established a database system to store sensor data and display it on a web-based dashboard for easy monitoring.
- Implemented an alert mechanism that triggers a warning if temperature exceeds 30°C or humidity surpasses 80%, helping IT staff prevent overheating issues.

SKILLS

Language: English, Indonesian.

Hard Skills: Front-End Development (HTML, CSS, JavaScript, Vue.js), Back-End Development (PHP, CodeIgniter, Laravel), Database Management (MySQL), Web Frameworks (WordPress), User Interface Design (Figma), Office Tools (Microsoft Excel, Microsoft Word, Microsoft PowerPoint).

Soft Skills: Creativity and Innovation, Communication Skills, Team Collaboration, Problem-Solving Abilities, Critical Thinking, Time Management, Adaptability and Flexibility, Attention to Detail.