

RIZAL MUHAIMIN NUR

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WORKING EXPERIENCE

Madusport POS System, Kuningan

Sep 2024 - Dec 2024

Full-Stack Web Developer

- Engineered a complete Point-of-Sale (POS) system for Madusport Store using Laravel and Vue.js.
- Implemented FEFO (First-Expired, First-Out) stock management, transaction tracking, and a responsive administrative dashboard.

Universitas Kuningan, Kuningan

Jul 2025 - Oct 2025

AI Research

- Collaborated with the Vice-Rector I on end-to-end research and development of a multimodal deep learning system.
- Led the development of the backend (Flask) and frontend (React) to integrate multiple complex AI models.
- Developed and integrated AI models for Face Recognition, Pose Classification, Emotion Recognition, NLP, and Speech-to-Text.

Universitas Kuningan, Kuningan

Sep 2023 - Dec 2024

Laboratory Assistant

- Performed routine maintenance and troubleshooting of computer hardware and software.
- Supervised and supported laboratory sessions to ensure smooth and compliant operations.
- Assisted lecturers in evaluating and grading student practical assignments.

PROJECTS HIGHLIGHT

Learnhub MOOC App, Kuningan

Jul 2023 - Jan 2024

Android Developer

- Developed the Learnhub Massive Open Online Course (MOOC) application for Android using Kotlin and XML.
- Applied SCRUM methodology for project management and utilized Git for effective team collaboration.

MyEong IoT Smart Feeder, Kuningan

Jan 2024 - Jun 2024

Software Engineer

- Designed and engineered an IoT-based smart cat feeder as a final project.
- Developed an Android application for monitoring and controlling the IoT system.
- Executed the project within a team framework, applying Design Thinking and iterative prototyping methodologies.

Wadowetan Village News Portal, Majalengka

Aug 2024

Full-Stack Web Developer

- Designed and deployed a local news portal to serve as the primary digital information hub for the Wadowetan community.
- Engineered the complete backend system using Laravel, including features for article and content management.
- Built a fully responsive and modern user interface from the ground up with Tailwind CSS and managed the data structure using MySQL.

Video Labeling & Keypoint Extraction System for ST-GCN Training, Kuningan

Sep 2025

Software Engineer

- Developed a Python-based video labeling and keypoint extraction tool tailored for ST-GCN (Spatio-Temporal Graph Convolutional Network) training.

- Implemented YOLOPose for human pose detection and automated keypoint extraction from video datasets.
- Designed an intuitive GUI application for labeling actions and managing annotation datasets to streamline model training workflows.

Absenku: Employee Attendance System, Kuningan

Jan 2025 - Jun 2025

Software Engineer

- Developed a desktop-based employee attendance application with multiple face detection and recognition to streamline attendance processes.
- Implemented YOLO-Face for real-time multi-face detection and ArcFace for high-accuracy facial recognition, fully integrated in a single Tkinter-based Python application.
- Built core features including automated face-based attendance, employee registration, and attendance management.

EDUCATION

Universitas Kuningan, Kuningan

Sep 2021 - May 2025

Bachelor of Computer Science, Informatics Engineering

GPA 3.74 of 4.00

Honors: Cumlaude

ACHIEVEMENTS

Grand Winner - Best Final Project, SIB 2024, Indobot Academy

Jun 2024

Awarded for the "MyEong IoT Smart Feeder" project.

LEADERSHIP ACTIVITIES

Badan Legislatif Mahasiswa (BLM), Kuningan

Mar 2024 - Mar 2025

Secretary General

- Managed institutional administration and documentation, including meeting minutes, decrees, and official archives.
- Acted as the formal liaison between the legislative body and faculty/student organizations.
- Spearheaded the establishment of the Civil Engineering Student Association, overseeing legality submission, constitution drafting, and leadership ratification.

Himpunan Mahasiswa Teknik Informatika (HIMA-TI), Bandung

Mar 2023 - Mar 2024

Vice President

- Coordinated all internal divisions to align with the organization's vision and mission.
- Served as the lead coordinator for inter-division meetings and directed the execution of organizational programs.

CERTIFICATIONS

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| • IoT Engineer, Indobot Academy (Band Score: 88.75) | Jun 2024 |
| • Android Developer, Binar Academy (Hard Skill Score: 4.9/5.0) | Jan 2024 |
| • Internet of Things BIZ, CertNexus | Nov 2024 |
| • Databases, Information Technology Specialist Certification | Aug 2024 |
| • Junior Web Developer, VSGA (BNSP Certification) | Aug 2023 |
| • Junior Network Administrator, VSGA (BNSP Certification) | Mar 2023 |

LANGUAGES AND SKILLS

- *Languages: Bahasa Indonesia (Native), English (Professional Working Proficiency)*

- *Frontend: JavaScript, React, Vue.js, Tailwind CSS*
- *Backend: PHP, Python, Laravel, Flask*
- *Databases: MySQL, SQL Design & Administration*
- *Tools & Platforms: Git, Docker, VS Code, Postman, Figma*
- *Concepts: REST API, MVC, CI/CD, Agile SCRUM*
- *Certifications: Junior Web Developer (BNSP), Databases (IT Specialist)*