

RIZKY SULAEMAN

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EDUCATION

Politeknik Negeri Indramayu

2021 – 2025

D4 Rekayasa Perangkat Lunak - **GPA** - 3.58

Indramayu, Indonesia

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Network Security
- Database Management System (DBMS)
- Artificial Intelligence
- Web Development
- Android Development

PROJECTS

E-Learning SMK Telematika Indramayu ↗ | PHP, Mysql, Laravel

2022

- Developed a web-based E-Learning platform to support online teaching activities, featuring interactive modules, quizzes, and exams.
- Implemented a digital attendance system with real-time notifications for parents to improve student attendance transparency.
- Designed an efficient teacher dashboard for streamlined class management, grading, and providing student feedback.

Sistem Pakar Politeknik Negeri Indramayu ↗ | PHP, Python, Laravel, VueJS, React Native

2022

- Built a web and mobile expert system to assist in the early diagnosis of facial paralysis for students and staff.
- Designed and trained a diagnostic model in Python, seamlessly integrating it with a Laravel backend and VueJS/React Native frontend.
- Created an intuitive UI/UX for both web and mobile platforms to ensure ease of use and accessibility.

Delivery Expedition PT Dwi Dharma Djaya. ↗ | PHP, Python, Mysql, Laravel, React Native

2023

- Engineered a smart logistics system to optimize coal delivery routes, significantly reducing travel time and operational costs.
- Implemented an algorithm to recommend vehicle types based on cargo weight, enhancing fleet allocation efficiency.
- Integrated the Midtrans payment gateway to facilitate secure, fast, and automated transaction processes.

Smart Link System PT Cybers Blitz Nusantara ↗ | Python, PostgreSQL, Django, Jquery

2024

- Developed and deployed a corporate financial reporting system fully integrated with the company's Smart Routing System.
- Utilized Docker for containerization and Kubernetes for orchestration to ensure high-availability and system stability in a production environment.
- Enabled secure remote access for all company employees, promoting a flexible work environment.

Multi-Agent System with MCP Context. ↗ | Python, Flask, Jquery, NodeJS, Langchain

2025

- Designed and built a Multi-Agent System architecture where multiple AI agents collaborate to solve complex tasks.
- Fine-tuned 8 specialized LLM agents (Gemma 3, Llama) using Reinforcement Learning, each with a distinct function.
- Developed a voice and text-based interaction system enabling agents to communicate and cooperate autonomously.

Screening CV Untuk Efisiensi Rekrutmen Karyawan Baru ↗ | Python, Laravel

2025

- Developed an AI-powered application to automate the CV screening process, aiming to enhance recruitment efficiency and accuracy for HR.
- Implemented a Natural Language Processing (NLP) model to extract key information and match candidate qualifications against job requirements.
- Provided a feature for uploading CVs (text/document) and displayed analysis results on an informative dashboard to aid HR decision-making.

- Implemented a web scraping system in Python to collect public data from social media and news portals regarding the subject.
- Built a sentiment classification model using Natural Language Processing (NLP) to automatically categorize public opinion into positive, negative, or neutral.
- Designed an interactive dashboard with Laravel to visualize analysis results through charts, providing concise insights into public opinion trends.

EXPERIENCE

PT Cybers Blitz Nusantara ↗

July 2024 - December 2024

Full Stack Software Engineer

Bandung, Indonesia

- Worked as part of a team to design and develop a web application that supports income assessment calculations at PT Cybers Blitz Nusantara.
- Implemented efficient computing solutions to manage large volumes of data, using Python, Django, jQuery, Bootstrap, and PostgreSQL in the development of the Smart Link System.
- Received appreciation for successfully creating a software system that improves ease of access, data processing efficiency, and implementation readiness within the company.

TECHNICAL SKILLS

Languages: Python, PHP, C++, Shell Scripting, Java, Kotlin, JavaScript, SQL, NoSQL

Developer Tools: VS Code, Cursor, Windsurf, VS 2019, Android Studio, IntelliJ Idea Ultimate

Technologies/Frameworks: Linux, GitHub, Git, ReactJS, Flask, Django, Laravel, NodeJS, AlpineJS, VueJS, Flutter, React Native

EXTRACURRICULAR

KOTAK PENA ↗

2022 - 2023

Head of Multimedia Division

Politeknik Negeri Indramayu

- Ensure that the editing of images, photos, and videos is always directed to the Multimedia Division.
- Ensure that the Multimedia Division has members who are always ready so that the editing of images, photos, and videos can be done professionally.
- Be actively involved in the editing process carried out by members.
- Ensure that all graphic design needs from each division are submitted to the Multimedia Division.

CERTIFICATIONS

- Project Management Associate - Dicoding
- SOLID Programming Principle - Dicoding
- Programming Using HTML and CSS - CodePolitan
- Programming Using JavaScript - CodePolitan
- Programming Using Python - CodePolitan