

BINTANG SYAFRIAN RIZAL

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Active Computer Science undergraduate at Universitas Diponegoro with a strong interest in Software Development, and Machine Learning. Proficient in Python, PHP, JavaScript and TypeScript, with hands-on experience in full-stack web development and network management. Demonstrated strong problem-solving skills through competitive programming certifications and practical experience as a Laboratory Assistant and Full Stack Developer Intern.

EDUCATION

Universitas Diponegoro | Semarang, Indonesia Aug 2022 - Present
Informatika
Current GPA: 3.63/4.00

WORK EXPERIENCE

PT. Usaha Gedung Mandiri | Jakarta, Indonesia Jan 2024 - Feb 2024
Full Stack Developer Intern

- Engineered "Rumeet", an automated meeting room booking system that optimized resource allocation for 50+ employees, reducing scheduling conflicts and manual coordination time.
- Developed "SiPP", a centralized procurement management system that enhanced financial transparency and accelerated the purchasing approval process by simplifying complex workflows.
- Built web applications using the Laravel framework within a high-pressure 1- month deadline while ensuring a scalable architecture and easy to maintain website for internal corporate operations.
- Collaborated in a 4-member Agile team, utilizing Git for version control to maintain 100% code integrity during rapid deployment cycles.

Universitas Diponegoro | Semarang, Indonesia Feb 2024 - Dec 2024
Laboratory Teaching Assistant (Computer Networks & Data Structure)

- Mentored 40+ students in the Computer Networks practicum and 30+ students in Data Structure practicum, providing guidance on complex network simulation concepts and enhance understanding of key concepts, such as linked lists, trees, graphs, and data structure algorithms.
- Instructed hands-on sessions for designing and simulating network topologies using Cisco Packet Tracer.
- Grading assignments and projects, ensuring consistency and providing constructive feedback for improvement.

CERTIFICATIONS

- Alibaba Cloud Certification – Alibaba Cloud (2024)
- Oracle Database Programming – Oracle (2024)
- Web3 ICP Smart Contract – ICP HUB (2024)
- SQL (Basic) – HackerRank (2023)
- Software Engineer Intern – HackerRank (2024)
- Problem Solving (Intermediate) – HackerRank (2024)
- Python (Basic) – HackerRank (2023)
- Java Programming – Dicoding (2023)

PROJECTS

- **Rumeet** – Corporate Room Booking System | Laravel, PHP, MySQL
 - Developed a specialized room booking system to streamline scheduling and optimize resource allocation for 50+ employees during internship at PT Usaha Gedung Mandiri.
 - **SiPP** – Procurement Management System | Laravel, PHP, MySQL
 - Engineered a procurement system to enhance financial transparency and accelerate procurement approval workflows.
 - **Helmet Detection System** | Python, YOLO, Streamlit
 - Implemented a Computer Vision project using the YOLOv11 algorithm to detect helmet usage among motorcyclists in real-time.
 - **Financipal** – Personal Finance Tracker | NextJS, ShadCn, Prisma
 - Built a comprehensive personal finance tracking application featuring advanced data analytics and a modern user interface.
 - **Happiness Report Analysis** | Python, Streamlit, Pandas
 - Conducted data analysis on the World Happiness Report using K-Means clustering to identify global happiness patterns.
 - **Sumanto** – Academic Management System | Laravel, JQuery, MySQL
 - Developed an integrated system designed to manage and streamline academic administrative tasks and student data.
 - **E-Tarteel** – Quran Recitation App | NextJS, RadixUI, Tailwind
 - Created a modern web-based Quran application focused on delivering a minimalist UI and seamless reading experience.
 - **Twentyfour** – Retro Arcade Card Game | HTML5, Firebase, JavaScript
 - Engineered a multiplayer retro arcade card game featuring real-time synchronization using Firebase.
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SKILLS & OTHERS

Soft Skills: Communication, Problem Solving, Critical Thinking, Teamwork, Time Management

Hard Skills: Git, Laravel, PHP, JavaScript, TypeScript, ReactJS, Python, SQL, Canva, Adobe Premiere Pro
