

# MUHAMMAD DAVI ARDIAN

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## PROFILE

As an Information Systems undergraduate at Telkom University and a national hackathon finalist, I bring a competitive mindset and a strong passion for turning data into meaningful decisions. My academic background has built a solid foundation in analytical thinking and problem-solving, which naturally aligns with my deep interest in Data Analytics. Beyond technical skills, I have developed strong soft skills in communication, collaboration, and time management through various academic and competitive experiences. I also hold a growing interest in computer networking as a complementary domain to my core focus.

## EDUCATION

**Telkom University** | Bachelor of Information Systems September 2023 – Present

- Current GPA: 3.67/4.00
- Relevant Coursework: Database Systems, Algorithm and Programming, Object-Oriented Programming, Computer Network, Data Mining, Operating System, Web Application Development, Data Warehouse and Business Intelligence, Information System Security, and Enterprise Application Integration.

## TECHNICAL SKILLS & COMPETENCIES

- Frontend Development: React and Next.js for building responsive and interactive user interfaces.
- Backend Development: Node.js, Express.js, PHP, Laravel, PostgreSQL, Prisma, and RESTful APIs for designing scalable server-side systems and data layers.
- DevOps & Cloud: Docker, Kubernetes, AWS EC2, and Git/GitHub for containerization, orchestration, cloud deployment, and version control.
- Networking & Virtualization: Cisco Packet Tracer, GNS3, VMware, and Ubuntu for network simulation, topology design, and virtualized lab environments.
- Cybersecurity: Kali Linux for security assessments, Information Gathering and Penetration Testing using tools such as Nmap and Metasploit, and Encryption Technology including AES-256, RSA, and hashing for securing data in transit and at rest.
- Data Analytics & Science: Python, SQL, Pandas, NumPy, Matplotlib, Jupyter Notebook, Google BigQuery, and Google Looker.

## ORGANIZATIONAL EXPERIENCE

**Head of Aspiration Commission** | Badan Perwakilan Mahasiswa Sistem Informasi Telkom University March 2026 – Present

- Coordinated and oversaw all work programs within the Aspiration Commission, ensuring each initiative ran effectively and aligned with the organization's goals.
- Actively collected and categorized aspirations from Information Systems students to be escalated to relevant stakeholders, bridging the gap between student voices and decision-makers.
- Continuously evaluated and refined existing programs to better meet the evolving needs of the student body, driving meaningful improvements through structured feedback and adaptive planning.

**Staff of Aspiration Commission** | Badan Perwakilan Mahasiswa Sistem Informasi Telkom University March 2025 – February 2026

- Led the Class to Class Aspiration program as the person in charge, handling end-to-end planning and execution that successfully reached 2 batches of Information Systems students, engaging 500+ participants.
- Served as Chair of AspirAction, forming the committee structure, coordinating 4 divisions with a total of 20 members including the core team, and monitoring each division's progress to ensure alignment with the project timeline.
- Expanded the commission's reach by contributing to adjacent initiatives, including supporting the SAPA Stakeholder program and the AspirasiTracker platform under the Aspiration Commission.
- Facilitated the delivery of student aspirations from 500+ Information Systems students to relevant stakeholders, with a successful aspiration representation rate of 30%.

**Staff Alpha of Aspiration Commission** | Badan Perwakilan Mahasiswa Sistem Informasi Telkom University October 2024 – February 2025

- Supported the Aspiration Commission in executing its work programs, contributing actively to ensure each initiative ran smoothly and on track.
- Compiled and recapitulated student aspirations gathered from the community, preparing them to be formally delivered to the relevant stakeholders.
- Participated in a comparative study visit to other student associations, engaging in knowledge-sharing sessions and strengthening inter-organizational relationships.

## PROJECTS

**GAP** | DevOps & Software Architect May 2026 – Present

- Took on the role of DevOps and Software Architect in the development of GAP, an API intelligence platform designed to auto-detect routes, request bodies, and backend-to-frontend contract mismatches directly from source code, requiring no annotations or manual documentation.

- Responsible for deploying the web application through Kubernetes and managing the containerized infrastructure to ensure reliable and scalable delivery.
- Led the architectural planning by producing the Product Requirements Document (PRD) and C4 Model to ensure a well-structured and scalable system design.

## HONORS & AWARDS

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### Finalist, Best UX & Design Category

May 2026

Refactory Hackathon 2026 | Refactory

- Reached the finalist stage of Refactory Hackathon 2026, a national-level competition focused on solving meaningful real-world problems in a fast-paced, product-driven environment, and was recognized in the Best UX & Design category for crafting a strong and thoughtful user experience throughout the sprint.

### Finalist, Best Innovation Team Category

April 2026

Hackfest 2026 | Universitas Ciputra

- Reached the finalist stage of Hackfest 2026, an annual Hackathon and UI/UX competition organized by the Informatics Student Union of Universitas Ciputra in Surabaya, advancing to the finalist stage in the Best Innovation Team category against participants from universities across Indonesia.

### Participant

December 2024

Project Contest ACAVERO 2024 | Telkom University

- Contributed to the competition under the theme “Realizing Indonesia’s Golden Future in 2045: Innovation and Sustainability in Entrepreneurship with ERP Technology,” exploring how enterprise resource planning (ERP) solutions can drive sustainable business growth and support Indonesia’s long-term national development vision.

## LANGUAGES

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- Indonesian: Native / Bilingual Proficiency.
- English: Professional Working Proficiency.