

DZACKY AHMAD

Informatics Engineering Undergraduate | Data Enthusiast | Exploring Blockchain & Fintech

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SUMMARY

Informatics Engineering undergraduate with experience in backend development, data mining, and project leadership. Actively exploring blockchain and fintech systems, with a solid foundation in AI-driven analytics. Curious, adaptable, and motivated to build scalable and impactful technology solutions.

EDUCATION

- Padjadjaran University, Sumedang, Indonesia** *August 2023 - Present*
Bachelor's degree in Informatics Engineering – GPA: 3.90/4.00

SKILLS

- Programming :** Python, PHP, Java, SQL, C++, HTML, CSS, JavaScript
- Frameworks/Libraries :** React, Node.js, Flask, Streamlit, Tensorflow, Pytorch
- Tools:** Git, GitHub, VS Code, MySQL, Google Colab, Spreadsheets
- Soft Skills :** Curious, Problem-Solving, Collaborative, Adaptable, Time Management, Leadership

PROJECTS

Task Management – Software Developer (CLI)

CLI-Based Task Management System

- Implemented structured data handling using data structures to store and manage task records.
- Performed CRUD operations through an interactive CLI, including task status, priority, category, and history tracking.

Hogwarts Library – Backend Developer

Website-Based Library Management System

- Implemented backend logic using PHP and CodeIgniter 4 to handle application data flow.
- Managed authentication and CRUD operations for book and borrowing data with MySQL database integration.

Noted – Backend Developer

GUI-Based Productivity & Finance Tracking Application

- Implemented MVC architecture and DAO pattern to structure backend logic and data access using Java.
- Managed backend features and integrated MySQL database to store and maintain data for tasks, notes, expenses, and user authentication.

Smart Network for Smart Campus – Network Engineer (Simulation)

Computer Networks Project – Faculty of Mathematics and Natural Sciences, Padjadjaran University

- Designed and simulated a hierarchical campus network with VLAN and inter-VLAN routing.
- Configured IPv4/IPv6, DHCP, routing, and core network services, including secure network segmentation.

Student Well Being Analytical Dashboard – Backend Developer

Streamlit-Based Data Mining Dashboard

- Built an analytical dashboard using Python and Streamlit, including data preparation pipelines (cleaning, integration, reduction, transformation, discretization, and visualization).
- Implemented and evaluated clustering algorithms (K-Means, DBSCAN, Hierarchical) to analyze student well-being patterns.
- Developed automated insight and action-oriented recommendations, translating analysis results into interpretable findings for non-technical users.

Chatbot HukumPedia – Project Manager

Indonesian Legal Chatbot

- Led project planning and coordinated team tasks, timelines, and feature delivery.
- Oversaw chatbot content alignment, quality control, and project evaluation.

AI Content Maker – Full Stack Developer (Personal Project)

AI-Based Content Script Generator

- Developed frontend and backend workflows, handling application logic, user input processing, and API integration to manage end-to-end data flow.

Image Classification – Machine Learning Developer (Personal Project)

Fruits & Vegetables Image Classification

- Compared custom CNN and pre-trained models for image classification in an end-to-end workflow.
- Handled dataset preparation, model training, and evaluation independently.

Google Play Sentiment Analysis – Full Stack Developer (Personal Project)

Indonesian Sentiment Analysis Platform

- Built an end-to-end full stack sentiment analysis system using IndoBERTweet, including backend logic flow, model integration, and automated Google Play review scraping.
- Designed and developed web and desktop (.exe) applications, supporting both automatic and manual sentiment analysis with positive, negative, and neutral outputs.

Organizations, Committees & Volunteer

Vice President of Himatif FMIPA Unpad 2025

January 2025 – December 2025

Himatif FMIPA Unpad

- Led 13 bureaus and departments, managing a total of 115 members.
- Oversaw 36 programs and 4 committees during one full management term.
- Received 95.5/100 performance evaluation score for leadership and organizational contribution

Staff of Cadre Departement Himatif FMIPA Unpad 2024

February 2024 – December 2024

Himatif FMIPA Unpad

- Developed and conducted cadre training programs for 91 members, focusing on onboarding and skill development.

Project Supervisor of Character Building Season 2024

June 2024 – October 2024

Himatif FMIPA Unpad

- Supervised 87 committee members and ensured quality execution of orientation, training, and team-building programs.

Padjadjaran University

- Supervised and managed a social action program for **40 participants**, coordinating educational sessions and program execution.

CERTIFICATIONS & ACHIEVEMENT

- TOEFL EPT – Score: 523 | 2025
- Finalist, GEMASTIK 2025 – Data Mining Category | 2025

LANGUAGES

- **Indonesian** – Native
- **English** – Intermediate (TOEFL EPT: 523)