

Lavina Arsyia Aryanto

Full-Stack Developer & AI/ML Enthusiast

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PROFESSIONAL SUMMARY

Informatics undergraduate and developer focused on building practical digital products using web technology, data, and artificial intelligence. Experienced in creating full-stack web applications, AI-assisted tools, dashboards, and machine learning prototypes using React, Next.js, FastAPI, Laravel, Python, and modern AI APIs. Strong interest in turning academic ideas into functional, documented, and user-focused projects.

EDUCATION

Bachelor of Informatics

Universitas Amikom Yogyakarta | 2023 - Present

- Relevant focus areas: software engineering, web development, artificial intelligence, machine learning, data analysis, database systems, and application development.

Software Engineering Student (RPL)

SMK Muhammadiyah 1 Yogyakarta | 2020 - 2023

- Studied programming fundamentals, web design, database management, and software development workflows.

PROJECT EXPERIENCE

PDF Insight AI - AI-Powered Document Analysis Platform

Full-Stack Developer | 2026

- Built a full-stack React and FastAPI application for PDF upload, document summarization, quiz generation, flashcards, document comparison, and chat with PDF content.
- Implemented Retrieval-Augmented Generation workflows with Groq API to help users ask document questions and review generated responses.
- Stack: React, FastAPI, Python, RAG, Groq API.

AI-Powered Healthcare Assistant

Frontend Developer | 2026

- Developed a React-based healthcare education prototype that provides symptom guidance, AI chat, medicine information, prevention tips, and medical disclaimers.
- Designed user-facing flows for general health education while clearly separating informational assistance from medical diagnosis.
- Stack: React, JavaScript, AI Chat, Healthcare UI.

Digital Transaction Fraud Detection

Machine Learning Developer | 2026

- Created a fraud transaction detection prototype using Random Forest with baseline comparison, PR-AUC evaluation, anomaly-score ablation, and Streamlit dashboard.
- Prepared model evaluation outputs to help interpret potentially fraudulent transaction patterns and compare feature impact.
- Stack: Python, Jupyter Notebook, Scikit-learn, Pandas, Streamlit.

IDX Monitor - Indonesian Stock Monitoring Dashboard

Full-Stack Developer | 2026

- Built a FastAPI and React dashboard for monitoring Indonesian stock prices and identifying potential real-time whale activity.
- Created dashboard views for market monitoring, data visualization, and practical financial observation workflows.
- Stack: FastAPI, React, Python, JavaScript, Tailwind CSS.

Rental Iqra - Car Rental Reservation System

Full-Stack Developer | 2026

- Developed a full-stack car rental reservation web application using Laravel backend and React frontend.
- Implemented booking-oriented workflows for vehicle rental operations and user interaction.
- Stack: Laravel, React, JavaScript, Full-Stack Web Development.

WORK EXPERIENCE

Web Developer Intern

Universitas Jenderal Achmad Yani (UNJAYA) | 2021 - 2022

- Completed internship focused on web development and IT support tasks within a university environment.
- Supported practical software and technical workflows while strengthening fundamentals in web application development.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, PHP, HTML, CSS, SQL

Frontend: React, Next.js, Tailwind CSS, Bootstrap, responsive UI development

Backend: FastAPI, Laravel, REST API, basic server-side application development

Database: MySQL, PostgreSQL, MongoDB, SQL database design

AI/ML & Data: Scikit-learn, Pandas, NumPy, Random Forest, Streamlit, Jupyter Notebook, RAG, Groq API, Gemini API

Tools: Git, GitHub, VS Code, Google Cloud Skills Boost, Google Colab

ADDITIONAL ACTIVITIES

- Built end-to-end portfolio projects that demonstrate practical implementation of full-stack development, AI integration, and data-driven application workflows.
- Practiced structured software development through problem analysis, implementation planning, iterative testing, and project documentation.
- Continuously improved project quality by refining user interfaces, optimizing assets, and preparing applications for public deployment.