

AISYAH SYIFA KARIMA

Software Engineer | Full Stack Developer | Data & AI

1st Place Bank Indonesia Hackathon 2026 | Bank Indonesia Scholarship Awardee

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Informatics undergraduate at Universitas Jenderal Soedirman with a **3.86/4.00 GPA** and hands-on experience in **full-stack software development, data analysis, and machine learning**. Experienced in building end-to-end applications using **Next.js, React, Laravel, Node.js, FastAPI, MySQL, and PostgreSQL**, with additional experience in Python-based data and ML workflows using **Pandas, NumPy, scikit-learn, XGBoost, and Random Forest**. **1st Place winner of the Bank Indonesia Hackathon 2026 among 200+ teams**, followed by direct **project collaboration with Bank Indonesia KPw Purwokerto** on a geospatial QRIS adoption dashboard. Experienced in translating stakeholder requirements into scalable software solutions, data-driven applications, and user-oriented digital products.

EXPERIENCES

BANK INDONESIA, KANTOR PERWAKILAN PURWOKERTO

Purwokerto

Frontend Developer – PQN Project (Zona QRIS Application)

(Aug 2026)

- **Entrusted to develop an application in direct collaboration with Bank Indonesia KPw Purwokerto** following the 2026 BI Hackathon, developing **Zona QRIS** — a geospatial dashboard for QRIS adoption across Barlingmascakeb (Banyumas, Cilacap, Purbalingga, Banjarnegara, and Kebumen).
- **Translated Bank Indonesia's policy analysis requirements into interface designs and sub-district-level data visualizations.**

MAGENTA BUMN - PT PELNI (PERSERO)

Central Jakarta

Web Developer Intern, Crewing Division

(Jul 2025 – Aug 2025)

- **Selected through the national MAGENTA BUMN internship program** and assigned to the Crewing Division as a full-stack developer for an internal crew management web application.
- **Analyzed business requirements with stakeholders and translated them into system features, guiding the solution from design through user handover.**

GOVERNMENT OF EROREJO VILLAGE

Wadaslintang, Wonosobo

Information System Full-stack Developer

(Jan 2026 – Feb 2026)

- **Led the full-stack development of an information system** as part of a KKN team to support the digitalization of public services for the Government of Erorerojo Village.
- Gathered user requirements with village officials, translated them into **system requirements and technical documentation, and implemented frontend and backend features.**
- Delivered user training to support independent system operation after project completion

SELECTED PROJECTS

BATIREXPORT – AI Powered B2B Export Marketplace

(Jun 2026 – Present)

Next.js, Express.js, Node.js, PostgreSQL, Hugging Face, Docker, Typescript

- Developed an **AI-powered B2B export marketplace** designed to help MSMEs identify international market opportunities.
- Built and integrated AI-powered features including **buyer matching, export-document recommendation, and automated product catalog image generation.**
- Contributed across **frontend, backend, REST API, and database architecture** in a collaborative development team.
- Won **1st Place among 200+ teams nationally** at the Bank Indonesia Hackathon Purwokerto 2026

PHISHGUARD – Hybrid Phishing Detection Expert System

(Apr 2026 – Jun 2026)

Next.js, Python, FastAPI, PostgreSQL, Supabase, XGBoost, Random Forest, React, Typescript

- Developed a hybrid phishing detection system combining a **rule-based expert system using forward chaining** with machine learning models using **XGBoost and Random Forest.**
- Performed **feature engineering across 91 URL and webpage-content features** for phishing classification.

- Evaluated model performance on **11,430 test samples**, achieving **95.71% accuracy** on the Web Page Phishing Detection dataset.
- Applied **Explainable AI (XAI)** to make classification decisions traceable and interpretable.
- Integrated trained ML models into a **FastAPI REST API** for application deployment

ZONA QRIS – Geospatial Dashboard for QRIS Adoption (Aug 2026)

Next.js, React, Typescript, Leaflet, Tailwind

- **Developed an interactive geospatial dashboard frontend** to visualize QRIS adoption information across Barlingmascakeb at the sub-district level.
- **Implemented data visualization and geospatial data interactions** to present regional information intuitively and make it easy to explore.
- **Collaborated with Bank Indonesia KPw Purwokerto stakeholders** to translate project requirements into dashboard features and interfaces

Crew Management Information System - PT PELNI (PERSERO) (Jul 2025 – Aug 2025)

Laravel Blade, PHP, MySQL, Tailwind

- **Built a dedicated internal full-stack web application for crew data management**, covering crew transfer and position handover processes in the Crewing Division for approximately **5,000 crew records**.
- **Designed database schema, authentication, role-based access, search, filtering, and assignment-history tracking.**
- **Developed the application end-to-end**, from requirements analysis and system design through implementation and testing.

ACHIEVEMENTS & LEADERSHIP

1st Place — Bank Indonesia Hackathon Purwokerto (Aug 2026)

- **Top 1 of 200+ teams nationally with BatirExport, an AI-powered B2B export marketplace**

Bank Indonesia Scholarship Awardee (Apr 2026 – Present)

- Selected from **500+ applicants** based on academic achievement, leadership potential, and community contribution.

Vice Chairperson — 17th Dies Natalis Informatika (Apr 2025 – Dec 2025)

- Coordinated **90+ committee members** across divisions and collaborated with **20+ sponsors and external partners**

Generasi Baru Indonesia (GenBI) Purwokerto (May 2026 – Present)

- Served as a **Bank Indonesia frontliner**, supporting the dissemination of information, education, and Bank Indonesia's values to the community, while contributing to various GenBI social programs.

EDUCATION

Universitas Jenderal Soedirman

Bachelor of Informatics | GPA: 3.86/4.00

Purbalingga

(Aug 2023 – Present)

SKILLS

Hard Skills :

- **Software Engineering:** JavaScript, TypeScript, React, Next.js, Laravel, PHP, Node.js, Express.js, FastAPI, REST API
- **Data & AI:** Python, Pandas, NumPy, scikit-learn, XGBoost, Random Forest, Data Analysis, Feature Engineering, Model Evaluation, Explainable AI
- **Database:** SQL, MySQL, PostgreSQL, Supabase, Database Design
- **Data Visualization & UI:** Data Visualization, Geospatial Visualization, Figma, Tailwind CSS, Bootstrap, GSAP, Lenis
- **Tools:** Git, GitHub, Docker, Microsoft Office (Microsoft Excel, Word, PowerPoint)
- **System Analysis:** UML, ERD, Flowchart, System Analysis & Design

Soft Skills : Communication, Team Leadership, Problem Solving, Adaptability, Time Management

Language : Indonesian (Fluent), English (Intermediate)