

M NAFIS FAKRUDIN

SOFTWARE ENGINEER STUDENT | DATA SCIENTIST

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PROFESSIONAL SUMMARY

Results-driven Software Engineering student (GPA 3.72 /4.00) and active Software Engineer Intern at PT. Mudapedia Digital Indonesia, with hands-on production experience in Next.js, TypeScript, Flutter, and Laravel REST API engineering. National award winner (2nd Place, KMIPN VII 2025) for innovative ICT solutions at the national polytechnic level. Experienced Data Scientist with a completed AI capstone project an influencer smart-matching and budget optimization platform for MSMEs, developed within the DBS Foundation Coding Camp. Proven Scrum Master with Agile leadership experience. Seeking a software engineering, mobile, or backend internship role to contribute with production-ready skills from day one.

WORK EXPERIENCE

- Software Engineer Intern** **Feb, 2026 – May 2026**
PT. Mudapedia Digital Indonesia · Banyuwangi, Indonesia · Hybrid
- Contributed as a full-stack engineer across 2 active client-facing products in a 4-person team (3 interns + 1 mentor), rotating between frontend and backend responsibilities each sprint to ensure end-to-end feature ownership.
 - Developed responsive UI components and RESTful API integrations using Next.js, TypeScript, Tailwind CSS, Supabase, and PostgreSQL in a professional production environment.
 - Participated in weekly mentor-supervised code reviews and maintained Git/GitHub version control workflows including feature branching and pull request practices.
 - Independently owned and delivered 2 full-stack features per product (frontend + backend), from design handoff to database implementation see Project Experience for details.
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EDUCATION

- Diploma of Applied Science (D4) — Software Engineering Technology** **Nov 2023 – Apr 2027**
• Banyuwangi State Polytechnic
• **GPA: 3.72 / 4.00**
- Natural Sciences Major (IPA)** **2020 – 2023**
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PROJECTS EXPERIENCE

- UMKM Builder — No-Code Website Builder for MSMEs** **Feb 2026 – Present**
Full-Stack Developer · PT. Mudapedia Digital Indonesia (Internship Project) · Team of 2
- Co-developed a no-code website builder platform enabling MSMEs to create and publish business websites without coding knowledge, using Next.js, TypeScript, Tailwind CSS, Supabase, and PostgreSQL.
 - Worked in a 2-person sub-team (1 intern + 1 mentor), alternating frontend and backend responsibilities each sprint building UI components, API routes, and database logic for end-to-end feature delivery.
 - Implemented reusable, customizable page template components that MSMEs can configure and deploy independently through an intuitive drag-and-drop style interface.

Celengan Trip — Travel Savings & Trip Booking Platform

Feb 2026 – Present

Full-Stack Developer · PT. Mudapedia Digital Indonesia (Internship Project) · Team of 4

- Built and owned 2 core features end-to-end (frontend + backend) on a 4-person team for a client travel platform: User Authentication system and Trip Package Catalog using Next.js, TypeScript, Supabase, and PostgreSQL.
- Engineered the Authentication module: secure user registration, login, and session management with account lock logic enforcing a minimum 6-month account age before users can claim any trip package.
- Developed the Trip Package Catalog: dynamic package listing, savings progress bar (percentage-based visualization of whether user savings meet trip cost threshold), and a custom trip plan builder with real-time budget calculation.
- Integrated Supabase (PostgreSQL) for all data persistence including user savings balance, trip packages, and claim eligibility data model supports both Rupiah and crypto deposit methods.

AI-Powered MSME Campaign Management Platform

Feb 2026 – Present

DBS Foundation Coding Camp 2026

Team of 5

Role : Data Science

- Selected for a competitive DBS Foundation Coding Camp program; served as Data Scientist in a 5-person cross-functional team (Data Science, AI Engineering, Full-Stack Development) building an MVP in 5 weeks.
- Led end-to-end data wrangling pipeline: scraped a real Instagram influencer dataset, performed data cleaning, and produced an interactive Exploratory Data Analysis (EDA) dashboard deployed publicly on Streamlit Cloud.
- Co-designed the Budget Optimizer algorithm a simulation engine that converts MSME budget constraints into optimal campaign fund allocation recommendations, enabling data-driven marketing decisions.
- Integrated AI Smart Influencer Matching system (TensorFlow Deep Learning, target accuracy >85%) with a full-stack web platform (Next.js front-end, Laravel + FastAPI back-end) deployed on Vercel/Netlify.
- Tech stack: Python, NumPy, Pandas, Streamlit, TensorFlow, FastAPI, Laravel, Next.js, TypeScript, Tailwind CSS, Google Colab, GitHub Projects.

Bantuin Mobile App

2025

College Project-Based Learning (PBL) · Team of 5

- Led a 5-person Agile development team as Scrum Master, facilitating daily stand-ups, sprint planning, and retrospectives — consistently delivering all project milestones on schedule.
- Architected and built the mobile frontend using Flutter (Dart), integrating Firebase Authentication and Firestore Database for real-time, secure user data management.
- Conducted structured usability testing using the System Usability Scale (SUS) methodology and Maze platform, gathering quantitative user feedback to drive iterative UX improvements.

Farmer Creditworthiness Prediction System

Dec 2025

College Project

- Engineered a hybrid AHP-KNN credit scoring model entirely from scratch using Python and NumPy (without Scikit-Learn), demonstrating deep understanding of ML algorithm internals beyond library abstraction.
 - Built and deployed an interactive Streamlit web GUI enabling real-time credit eligibility prediction and manual parameter evaluation for non-technical stakeholders
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HONORS & AWARDS

2nd Place — Unique Innovation Award, KMIPN VII

2025

Padang State Polytechnic | National Polytechnic Informatics Student Competition

- Secured 2nd Place in the ICT Innovation Category (Cipta Inovasi Bidang TIK) at the national level, competing against polytechnic informatics students from across Indonesia.
 - Recognized for developing a highly creative and technically distinct mobile application solution judged by a national panel.
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TRAINING & CERTIFICATIONS

Data Scientist — Coding Camp powered by DBS Foundation

Feb 2026 – Present

- Selected for an intensive, cohort-based Data Scientist training program covering advanced data processing, statistical analysis, supervised/unsupervised machine learning, and Python ecosystem tools.
 - Applied learning through a real capstone project: built and deployed an AI-powered influencer matching and budget optimization platform for MSMEs (see Project Experience above).
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TECHNICAL SKILLS

- **Programming Languages:** Python, Dart, PHP, TypeScript, SQL, JavaScript.
 - **Mobile Development:** Flutter, Firebase (Auth, Firestore, Realtime DB), Dart
 - **Web & Backend:** Next.js, Laravel, REST API, FastAPI, HTML, CSS, Tailwind CSS, Prisma ORM, Axios.
 - **Data Science & ML:** NumPy, Pandas, Scikit-Learn, TensorFlow, Keras, Streamlit, EDA, Feature Engineering.
 - **Databases:** MySQL, Firestore (NoSQL), Prisma ORM, MongoDB, PostgreSQL.
 - **Tools & Platforms:** Git, GitHub, GitHub Projects, Postman, VS Code, Figma, Google Colab, Vercel, Netlify, Streamlit Cloud
 - **Methodologies:** Agile, Scrum, REST API Design, OOP, MVC Architecture, Version Control, Data Wrangling
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LANGUAGES

Indonesian: Native

English: Working Proficiency — Reading & Technical Documentation