M NAFIS FAKHRUDIN

SOFTWARE ENGINEERING STUDENT

PROFIL

Detail-oriented Software Engineering student with a current GPA of 3.83/4.00. Possesses proven leadership experience as a Scrum Master in university Project-Based Learning environments, successfully guiding teams in developing mobile applications. Highly skilled in Flutter (Mobile) and Laravel (Backend), with a strong interest in Data Science basics. Eager to leverage technical skills and Agile project management experience in an internship role.

EDUCATION

Banyuwangi State Polytechnic | 2023 – Present
- Diploma of Applied Science (D4) in Software Engineering Technology.
- GPA : 3,83 /4.00

SMAN 1 NGRONGGOT | 2020-2023
- Natural Sciences Major (IPA)

CONTACT

- +62 878 6227 5587
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- Prambon ,Nganjuk ,East Java

PROJECT EXPERIENCE

Bantuin Mobile App (College Project-Based Learning) | Scrum Master & Flutter Developer Jan 2025 – Present

- Led a team of 5 students in a Project-Based Learning (PBL) setting, facilitating daily stand-ups, sprint planning, and retrospectives to ensure on-time delivery of project milestones.
- Developed the mobile frontend using Flutter and integrated it with Firebase for backend functionalities, including User Authentication and Firestore Database.
- Conducted usability testing using the System Usability Scale (SUS) method and Maze platform to validate design decisions and gather user feedback.

REST API for Mobile POS Application | Backend Developer Jan 2024

- Engineered a robust, secure, and reliable RESTful API from scratch using Laravel and MySQL to support a Flutter-based Point of Sales (POS) application.
- Solved critical data concurrency issues by implementing Database Transactions (commit-or-rollback), ensuring 100% accuracy in stock and sales records during simultaneous transactions.
- Secured API endpoints using Laravel Passport for token-based authentication and conducted rigorous endpoint testing using Postman to ensure seamless integration with the frontend.

Farmer Creditworthiness Prediction System | Algorithm Developer Dec 2025

- Engineered a Hybrid AHP-KNN model entirely from scratch using Python & NumPy (without Scikit-Learn) to assess farmer credit eligibility.
- Built an interactive web-based GUI using Streamlit for real-time prediction and manual evaluation.

TECHNICAL SKILLS

- **Programming Languages:** Dart, PHP, Python, SQL**.**
- **Mobile Development:** Flutter.
- **Web Development:** Laravel,HTML,CSS.
- **Back-End Development :** Laravel RestAPI.
- **Tools & Platforms:** Git, GitHub, Firebase, Postman, VS Code, Figma, MySQL.
- **Methodologies:** Agile, Scrum Management.

COURSES

- **Basic Structured Query Language (SQL) - Dicoding | Oct 2024**
  Learned fundamental SQL queries including DDL and DML (SELECT, INSERT, UPDATE, DELETE) for database management.
- **Basic Data Science - Dicoding | Sep 2024**

  Covered foundational data science concepts, data analysis cycles, and an introduction to key tools including Python, R, and Machine Learning.
- **Introduction to AI - Dicoding | Aug 2024**

  Gained an understanding of fundamental AI concepts, including introductions to Machine Learning and Deep Learning.
- **Learn Machine Learning for Beginners |**Dicoding Indonesia (Dec 2025)

  Competencies: Supervised Learning (Classification, Regression), Unsupervised Learning (Clustering), Feature Engineering, & Model Tuning.

HONORS & AWARDS

- **HONORS & AWARDS 2nd Winner of Unique Innovation (Inovasi Unik) |** KMIPN VII Politeknik Negeri Padang (2025)
  - Secured the 2nd Place "Unique Innovation" Award in the ICT Innovation Category (Cipta Inovasi Bidang TIK) at the National Polytechnic Informatics Student Competition.
  - Recognized for developing a highly creative and distinct technological solution among polytechnic students nationwide.

LANGUAGES

- **Indonesian:** Native
- **English:** Working Proficiency (Reading & Technical Documentation)