

SUMMARY

As a Bachelor of Informatics student with a strong interest in web and mobile application development, I am also highly enthusiastic about expanding my skills and exploring the exciting world of machine learning. I am committed to staying current with the latest technologies and methodologies, and I actively seek out new learning opportunities. I also have experience leading team projects across various fields, with strong leadership skills, the ability to work well in a team, communicate effectively with people from diverse backgrounds, and delegate tasks efficiently to build effective teamwork.

EDUCATION

Institut Teknologi Sepuluh Nopember
Major: Bachelor's degree, Computer Science
Current GPA: 3.08/4.00

Surabaya, Indonesia
2022 - August 2026 (Expected Graduation)

SMA Negeri 5 Gowa
Major: Science

Gowa, Indonesia
2019 - 2022

PROJECTS

Helmet Detector: Real-Time Safety Equipment Detection System

- Developed a computer vision model using the YOLO (You Only Look Once) object detection algorithm to identify helmets in real-time. The project involved collecting and labeling a diverse set of helmet images to create a comprehensive dataset. Utilizing Google Collab for model training, the dataset was used to train a YOLO-based model capable of accurately detecting helmets in various lighting and angle conditions. This project showcases the integration of data preprocessing, model training, and evaluation in a real-world object detection scenario aimed at improving workplace and traffic safety compliance.

Personal Finance Tracker: Mobile Application for Expense Management

- Developed a Personal Finance Tracker mobile application using Android Studio with Java, with a primary focus on backend functionality. The app allows users to record all financial transactions, including income and expenses, along with their respective categories (such as food, transportation, or bills). Each transaction is securely stored in a local SQLite database. The app also features monthly summary reports to help analyze financial habits, category-based filters to display specific transactions, real-time balance tracking, and a user-friendly interface with input validation to ensure data accuracy. This project demonstrates strong skills in backend development, database management, and the implementation of financial logic in a mobile application environment.

Online Store Inventory Management Web Application

- Built a web-based inventory management system using Golang to help track product stock levels in an online store. The application allows administrators to manage and monitor product data clearly, including stock quantities for each category and brand. It focuses on implementing full CRUD (Create, Read, Update, Delete) functionalities to allow efficient product management. All data is stored and managed in a structured database to ensure consistency and accuracy. The system also includes a secure authentication feature for user login, ensuring that only authorized users can access and modify inventory information. This project highlights skills in backend web development, data structuring, user authentication, and the practical application of CRUD operations using Go.

Secure File Sharing Web Platform with Data Encryption

- Developed a secure web application focused on information security, allowing users to register, log in, upload, and download files (images and PDFs). The platform supports file sharing between users while ensuring the protection of sensitive data. Personally identifiable information (such as national ID numbers) is encrypted using multiple cryptographic algorithms, including AES, DES, and RC4, to enhance data confidentiality and security. This project demonstrates proficiency in secure backend development, file handling, and practical implementation of classic encryption algorithms in a web environment.

EXPERIENCE

HIMPUNAN MAHASISWA TEKNIK COMPUTER-INFORMATIKA ITS
Secretary of Internal Affairs Department

Surabaya, Indonesia
March 2024- January 2025

- Responsible for all administrative and financial matters within the Department of Internal Affairs.

- Ensured smooth communication flow among members of the Department of Internal Affairs and conveyed relevant information and policies.
- This contributed to the planning and implementation of departmental programs, while fostering harmony and strengthening the sense of camaraderie among students.

SCHEMATICS ITS 2024

Surabaya, Indonesia

Staff Expert

February 2024- December 2024

- Served as a logistics and technical expert, ensuring the availability and readiness of all essential equipment and operational needs for Schematics ITS 2024.
- Coordinated across multiple divisions to support the seamless execution of high-impact events and competitions.
- Helped streamline operational workflows for more efficient resource deployment.

EWAKO SEPULUH NOPEMBER

Makassar, Indonesia

Event Staff

January 2023

- EWAKO SEPULUH NOPEMBER is an activity under the auspices of this organization INI LHO ITS 2023, which focuses on socializing SEPULUH NOPEMBER INSTITUTE OF TECHNOLOGY activities in areas outside of Surabaya.
- As an event staff whose role is to organize event rundowns and controlling during activities.

COURSES & CERTIFICATIONS

Mini Course: Intro to Data Analytics – RevoU

- Completed a structured mini course introducing key concepts of data analytics. The course covered essential topics including data collection, data cleaning, and exploration data analysis (EDA). Also explored the fundamentals of data driven decision making using spreadsheets, charts, and modern visualization tools. Developed hands-on skills in identifying trends and deriving insights from datasets.

Multi-Platform App Developer Learning Path

- Completed the Multi-Platform App Developer learning path on Dicoding, which provided comprehensive training in mobile application development using the Dart programming language and the Flutter framework. The curriculum included modules such as learning to build Flutter apps for beginners, understanding Flutter fundamentals, and mastering the basics of Dart programming. Through hands-on projects, I gained experience in building responsive and cross-platform mobile applications with clean architecture and modern UI practices.

SKILLS & INTEREST

Skills : C/C++, Python, PHP, Laravel, Dart, Flutter, SQL, JavaScript, and Next.js.
Technical : Microsoft Word, Microsoft Excel, Visual Studio Code, Android Studio, and Linux OS.
Interests : Problem Solving, Organizing, Web Development, and Digital Technologies.