

SENDI AWALUDIN

Information Technology Student • 6th Semester

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PROFILE SUMMARY

Enthusiastic 6th-semester Information Technology student with a strong focus on Web Development and Artificial Intelligence. Experienced in delivering academic and freelance projects using modern tech stacks (Python, JavaScript, PHP, React, Laravel, and more). A fast learner, solution-oriented, and eager to make a meaningful contribution in a professional environment through an internship.

EDUCATION

B.Sc. Information Technology

Universitas Bina Sarana Informatika, Margonda

2023 – Present

GPA: 3.93 / 4.00

- Relevant courses: Web Programming, Database Systems, Algorithms & Data Structures, Artificial Intelligence, Computer Networks, Software Engineering.
- Currently in 6th semester — actively studying, available for internship starting [Month/Year].

TECHNICAL SKILLS

Programming Languages	Frameworks & Libraries	Tools & Platforms	Soft Skills
- Python - JavaScript / TypeScript - PHP - SQL	- React / Next.js - Node.js / Laravel - Pandas / NumPy - Flutter / Dart	- Git / GitHub - MySQL / PostgreSQL - Docker (basic) - Figma / Canva	- Problem Solving - Teamwork & Collaboration - Technical Communication - Time Management

ACADEMIC PROJECTS & CAPSTONE

Crypto Vote

Cryptography Course Project

6th Semester – 2026

Stack: Next.js, TypeScript

- Built a secure and transparent e-voting application for voters and admins using full-stack Next.js and RESTful API.
- Designed a database schema managing 4 core entities (elections, candidates, encrypted votes, tally) normalized to 3NF.
- Implemented ElGamal homomorphic encryption for vote secrecy, end-to-end (E2E) verification, admin tallying dashboard, and verifiable result publication.

Streamify

Capstone Project

2026

Stack: MongoDB, Express, React, Node.js (MERN)

- Built a media streaming platform for general users using MERN Stack and RESTful API architecture.
- Designed a NoSQL (MongoDB) schema managing 2 core entities: User Management and Media Content.
- Implemented user authentication, media upload & playback, related media recommendation, and profile management.

Algorithmic Trading & Market Analytics Platform

Capstone Project (Project Oracle)

2026

Stack: Python, PostgreSQL, Redis, React/TypeScript

- Built an automated trading and market analysis system for traders and analysts using Python backend and React frontend.
- Designed a hybrid database schema (PostgreSQL + Redis) for trade events, market signals, risk controls, and portfolio recap journal.
- Implemented auto signal generator, market sentiment analysis, risk management controls, strategy execution (sniper entry & pullback), and interactive dashboard.
- Role: Partner

Fishing Pond Administration System

5th Semester – 2025

Web Programming 2 Course Project

Stack: Laravel (MVC)

- Built an information and management system for pond operators and cashier staff using MVC architecture.
- Designed a schema managing 5 core entities (Users, Spots, Products, Transactions, Food Orders) normalized to 3NF.
- Implemented spot availability management, F&B order recording, integrated transaction processing with PDF report printing, and analytics dashboard.

Money Tracking App

4th Semester – 2025

Mobile Programming Course Project

Stack: Flutter, Dart, Firebase

- Built a cross-platform personal finance tracker using Flutter and Firebase backend.
- Designed a schema managing 3 core entities: User Accounts, Financial Categories, and Cash Flow Transaction Records.
- Implemented income & expense recording, category management, financial report generation, and user authentication.

FREELANCE EXPERIENCE

Vespa Spare Parts E-Commerce Platform

2025

Team Project

Remote

- Built an e-commerce app for members, resellers, and administrators using RESTful API architecture.
- Designed a database schema managing 27 entities (user management, product catalogue, order transactions, ERP/Accurate integration) normalized to 3NF.
- Implemented shopping cart, multi-courier checkout, tiered discount system (reseller tiering), and automatic ERP synchronization.
- Role: Frontend Developer in a team of 3.

COMPETITIONS & HACKATHONS

Gemastik 2025

2025

Digital Credential Platform

Result: Participant

- Built a blockchain-based (NFT) digital credential issuance and verification app for holders, institutions, and platform admins.
- Designed a schema managing 7 entities including users, institutions, holder profiles, credential templates, smart contract logs, and payments, normalized to 3NF.
- Implemented Web3Auth wallet authentication, NFT credential issuance on Polygon, decentralized storage (IPFS), and credit-based billing.
- Role: Frontend Developer in a team of 2.

Bootcamp IT 2025

2025

Web-Based Jastip App (Registered HKI – Kemenkumham RI)

Result: 3rd Place

- Built a Jasa Titip (goods-handling) service app for customers, travelers, and administrators using MVC architecture.
- Designed a schema managing 4 core entities: Users, Traveler Profiles, Order Transactions, and Withdrawals, normalized to 3NF.
- Implemented automated fee calculation, real-time order status, digital wallet & withdrawal system, user rating, and analytics dashboard.
- Role: Software Developer in a team of 10.

AWARDS & ACHIEVEMENTS

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| • Copyright (HKI) – Computer Program: Web-Based Jastip Application | Kemenkumham RI • 2025 |
| • AI Engineer Path (IDCamp 2025) | Dicoding • 2025 |
| • Graduate of Coding Camp 2025 | Dicoding • 2025 |

CERTIFICATIONS & ONLINE COURSES

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| • Applied Data Science with Microsoft Fabric | Dicoding / Microsoft • June 2026 |
| • OpenCV Bootcamp | OpenCV University • April 2026 |
| • Getting Started with Python Programming | Dicoding / Google Dev • March 2026 |
| • Introduction to AI Fundamentals | Dicoding / Google Cloud • February 2026 |

- Introduction to Cybersecurity
- JavaScript Programming Fundamentals
- Web Programming Fundamentals
- PCAP: Programming Essentials in Python
- Google IT Support Certificate

Cisco Networking Academy • November 2025
Dicoding • July 2025
Dicoding / Google Dev • July 2025
Cisco & OpenEDG • July 2024
Google / Coursera • 2024

ADDITIONAL INFORMATION

Languages	Indonesian (Native) • English (Intermediate)
Interests	Software Development • AI Agent Development • Cloud Computing • Open Source

Full portfolio & projects available at GitHub: github.com/Sendyawldn