

# **Audrey Surya Nanditama Hernanto**

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I am a fresh graduate of Informatics Engineering from Sebelas Maret University with a great interest and passion in the field of software development. I focus on Web Development and I gain valuable experience in this field. I have the ability to work collaboratively in a team and good skills in Problem Solving. The skills that I have mastered are the ability to communicate and work in a team, be thorough and responsible, master programming languages (HTML, CSS, PHP, Java, Python and JavaScript). In addition, I also have a high motivation to continue learning new things.

## **Education**

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### **Universitas Sebelas Maret**

D3 Informatics Engineering • 2022 - 2025

**Last GPA :** 3.76 / 4.00

### **SMA Negeri 6 Kota Madiun**

Natural Sciences • 2019 - 2022

## **Project Experience**

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### **Java GUI Application Project (EduMath)**

October 2022 - December 2022 | Course Practice of Algorithms and Programming

- Designed a comprehensive system flow using algorithmic principles, represented through detailed flow diagrams and descriptive logic.
- Developed a fully functional Java-based GUI application to teach and practice mathematical concepts.
- Implemented precise formulas and calculations for flat geometric shapes, optimizing performance and accuracy in calculations.
- Focused on clear user interaction and interface design to enhance the educational experience.

### **PHP Website Project (StudentMentality)**

April 2023 - June 2023 | Course Practice of Web Programming, Database Practice

- Led the design and system architecture for a website aimed at supporting student mental health.
- Created Entity-Relationship Diagrams (ERD) and database structures, converting them from Conceptual Data Models (CDM) to Physical Data Models (PDM) to ensure clear data flow.
- Developed a robust MySQL database, with carefully mapped relations between tables, ensuring scalability and data integrity.
- Implemented the website's backend using PHP, focusing on dynamic data handling and secure user authentication.
- Collaborated on frontend enhancements to create an intuitive user experience, enabling easy navigation through various resources and services.

## Full Stack Project (AdventurePro)

October 2023 - December 2023 | Course Practice of Front End and Back End Programming

- Developed Software Requirement Specifications (SRS) to document user requirements and system capabilities, aligning with project goals.
- Designed interactive and visually engaging UI/UX prototypes in Figma, ensuring a responsive and user-centered design approach.
- Utilized React.js for frontend development, creating a highly responsive interface optimized for desktop and mobile devices.
- Leveraged CodeIgniter 4 for backend development, managing complex data interactions and secure user sessions.
- Integrated a seamless payment system for renting outdoor equipment, ensuring secure transactions and smooth user experience.
- Conducted rigorous testing to maintain system reliability, focusing on error-free performance across all modules.

## Full Stack Project (SIPBIBU)

February 2024 - June 2024 | Course Practice of Front End and Back End Programming

- Developed an integrated web platform for preventing and managing baby blues in mothers.
- Collaborated in creating the Software Requirement Specifications (SRS) document, ensuring clarity on user needs and system functionality.
- Designed user-friendly UI/UX prototypes in Figma for seamless navigation and interaction.
- Implemented the frontend using React.js, ensuring responsive design and optimal user experience across devices.
- Built the backend using CodeIgniter 4, managing data flow and secure authentication for users.
- Integrated features for real-time monitoring and notifications to assist mothers and healthcare professionals.
- Worked on system testing and debugging to ensure high performance and reliability.

## Internship Experience

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### Software Developer Intern

Desember 2024 - February 2025 | Internship Project at PT Kereta Api Indonesia (Daop 7 Madiun)

- Developed a full-stack web application using Laravel 10 for catalog management.
- Designed and optimized MySQL (XAMPP) database to ensure system reliability and scalability.
- Applied MVC architecture and Laravel best practices to improve system maintainability.
- Implemented CRUD functionality for the product catalog with auto-generated product codes to standardize data entry.
- Built a transaction system for incoming and outgoing goods to simplify inventory tracking.
- Created inventory stock reports with export features to PDF and Excel.

# Final Project

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## ExamVision

January 2025 - June 2025 | Rancang Bangun Aplikasi Ujian Online Dengan Fitur Deteksi Perilaku Mencurigakan Menggunakan YOLO

- Developed an online examination system using Flask framework and MySQL (XAMPP) database.
- Applied the Software Development Life Cycle (SDLC) methodology from planning to deployment.
- Integrated a YOLOv11-based proctoring system for real-time cheating detection.
- Implemented exam management features including randomized questions, per-question weight, and result management.
- Improved exam integrity and efficiency by combining automated proctoring with online exam management in a single platform.

### Soft Skills

- Problem Solving
- Able to work together in a team
- Responsible and Disciplined
- Time Management

### Hard Skills

- React.js
- HTML, CSS, JS, PHP
- Python
- Java
- Microsoft Office

### Languages

- Indonesia - Active
- English - Passive