

Tiara Sofa

I'm an Informatics Engineering student at Dian Nuswantoro University with hands on experience in developing web applications and information systems using React.js, Next.js, Laravel, and MySQL. Through academic projects, professional experiences, and mentoring activities, I have developed strong technical, problem-solving, and collaboration skills.

Semarang, Central Java | tiarasofa12@gmail.com | +62 877-0832-5443 | LinkedIn | Github | Portofolio

EDUCATION

Dian Nuswantoro University Bachelor of Informatics Engineering	Semarang, Central Java <i>Sept 2023 - Present</i> GPA: 3.74
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Relevant Coursework: Built and launched multiple full stack web applications serving real world use cases, demonstrating strong self learning abilities, problem solving skills, and a passion for technology

TECHNICAL SKILLS

Computer: PHP, JavaScript, TypeScript, SQL, HTML5, CSS3, Microsoft Word, Microsoft Excel

Tools: Laravel, React.js, Next.js, Tailwind CSS, MySQL, PostgreSQL, Git, Docker, Figma

Skills: Frontend Development, Full Stack Development, REST API Development, Database Design

RELEVANT EXPERIENCE

Bengkel Koding <i>Frontend Developer</i>	Semarang, Central Java <i>Sept 2025 – present</i>
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- Developed responsive and interactive user interfaces for web applications using React.js and Next.js.
- Collaborated with backend developers to integrate RESTful APIs into frontend applications.
- Implemented reusable UI components to improve development efficiency and maintainability.

<i>Web Development Teaching Assistant</i>	<i>Sep 2025 – Feb 2026</i>
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- Delivered Laravel learning sessions to university students.
- Guided students through web development concepts including MVC, routing, CRUD, and authentication.
- Assisted students during practical implementation and debugging.

<i>Project Mentor</i>	<i>Apr – present 2026</i>
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- Guide students in planning and developing real-world projects.
- Conduct code reviews and monitor development progress.
- Support problem-solving and decision-making

Badan Narkotika Nasional (BNN) Provinsi Jawa Tengah <i>Frontend Developer</i>	Semarang, Central Java <i>Dec 2025 – Present</i>
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- Developed and maintained responsive user interfaces for internal web based information systems.
- Collaborated with backend developers to integrate APIs and ensure seamless data flow.
- Participated in testing, debugging, and feature enhancement to improve system usability and reliability.

EXTRACURRICULAR EXPERIENCE

Dian Nuswantoro Computer Club <i>Mobile Development Training</i>	Semarang, Central Java <i>Sep – Oct 2023</i>
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- Learned mobile application development fundamentals using Flutter and Dart.
- Developed cross platform applications through project-based learning activities.
- Applied state management techniques using Provider to manage application data and user interactions.

- Gained experience in designing responsive mobile user interfaces and application workflows.

Web Developer Training

Sep – Oct 2024

- Participated in an intensive web development training program covering modern frontend technologies.
- Applied HTML, CSS, JavaScript, and React fundamentals to develop responsive web applications.
- Built multiple hands on projects, including a personal portfolio website.
- Gained practical experience in component-based development and responsive user interface design.
- Enhanced technical and problem-solving skills through project-based learning and collaboration.

PROJECTS

Sistem Asesmen Terpadu BNN Jawa Tengah, *Internship* - Next.js, TypeScript, PostgreSQL Dec 2025 - Present

- Contributed to the development of a web based information system supporting organizational operations.
- Built responsive user interfaces and collaborated with development teams to improve usability.
- Assisted in testing, debugging, and feature implementation to enhance system reliability.

Alumni Information System, *University Project* - Laravel, MySQL, Laravel Reverb, Next.js May 2026

- Continued development of an alumni management platform connecting graduates, students, and industry partners.
- Developed discussion forum features and implemented real-time communication using Laravel Reverb.
- Optimized API performance and database queries to improve scalability and user experience.

Cashier System, *Client Project* - Laravel, MySQL, Bootstrap Apr 2026

- Developed a point of sale system for transaction processing and inventory management.
- Implemented sales reporting and stock monitoring features.
- Improved operational efficiency through automated transaction workflows.

Greenben – Minyak Jelantah Collection, *Gemastik Project* - Figma Nov 2024

- Designed a platform for locating nearby used cooking oil collection points and pickup services.
- Implemented a reward system that allows users to exchange contribution points for vouchers.
- Created interfaces for subscription plans and environmental awareness content.

Akuaponik – Smart Aquaponics System, *Academic Project* - Figma Mar 2025

- Designed an IoT-based application for monitoring aquaponics conditions remotely.
- Created features for tracking water pH, temperature, and nutrient levels.
- Created automated fish feeding scheduling features to improve maintenance efficiency.

CERTIFICATION

CCNA: Introduction to Networks - CCNA Aug 2025

Schema Of Associate Data Scientist - BNSP Sep 2025

Genetic Algorithm- Bengkel Koding Oct 2025

IBM Machine Learning - Coursera Jan 2026

Schema Of Web Developer - BNSP Apr 2026

IBM and ISC2 Cybersecurity Specialist - Coursera Apr 2026

LANGUAGES

- Indonesian (Native)

- English (Basic)