MOCHAMAD SHANDY FIRDAUS

089517872311 | sandyfirdaus19@gmail.com | https://www.linkedin.com/in/m-shandy-firdaus-5bb106241/ | https://sites.google.com/view/m-shandy/beranda | https://sandyfirdaus1.github.io/my_portfolio

Jakarta Utara, Indonesia

I am a graduate of the Faculty of Information Technology, majoring in Computer Science, with a strong passion for technology, innovation, and continuous self-development. Throughout my studies, I was actively involved in various web development and software engineering projects, which strengthened my expertise in programming, system analysis, and designing impactful digital solutions. Accustomed to working both independently and collaboratively, I leverage strong analytical and critical thinking skills, along with effective communication, to deliver high-quality results. I am eager to contribute meaningfully to organizations that prioritize innovation, creativity, and continuous improvement, while continuously honing my skills to meet the challenges of a dynamic industry.

My Projects

17 August Competition Website (RT/RW Level) - Jakarta Utara, Indonesia ⟶ Aug 2025

Fullstack Web Developer

A digital event management platform for Indonesia's Independence Day neighborhood competitions, developed to streamline coordination and enhance engagement. Built using modern web technologies with a clean, responsive UI and full admin capabilities.

- Developed a full-stack web platform using React.js, Tailwind CSS, Node.js, and MongoDB to manage Indonesia's Independence Day neighborhood competitions.
- Built an admin panel for managing participants, tournaments, and event outcomes (qualified, winners, disqualified).
- Implemented real-time monitoring for competition progress and participant status.
- Designed a responsive and user-friendly interface to ensure accessibility across devices.
- Deployed the application on Vercel, ensuring high availability and scalability.

Wedding Invitation ⟶ Aug 2025

Frontend Developer

This project is the development of a Next.js-based digital wedding invitation designed to provide a personalized, elegant, and interactive experience for guests. The platform allows couples to share event details digitally with easy access across multiple devices. Features include online RSVPs, photo galleries, location maps, an event countdown, and a page showcasing the couple's love journey.

- Front-End Design & Development: Built the interface using Next.js and Tailwind CSS to create a responsive, modern, and aesthetically pleasing design.
- Online RSVP Feature: Integrated the RSVP form with real-time data storage to simplify guest confirmation.
- Photo Gallery & Stories: Provided dedicated pages for photo galleries and couples' stories, with subtle animations to enhance the user experience.
- Location Map Integration: Embedded the Google Maps API to easily locate the event.
- Testing & Feedback: Tested on various devices to ensure compatibility and accessibility.
- Impact: Provided a practical, cost-effective, and environmentally friendly solution for wedding invitations, while enhancing guest engagement through digital media.

Rasa Nusantara ⟶ Jul 2025

Frontend Developer

A web-based platform for showcasing Indonesia's culinary riches with a modern, responsive, and easy-to-use interface. The project is built using React (Vite + JSX) and Tailwind CSS to create a clean, fast, and engaging look.

- Interface Development: Using React, Vite, and Tailwind CSS to create a clean, responsive, and engaging interface.
- Category & Dish Search: Provides food category features based on region and dish type, as well as a quick search function.
- Gallery & Detailed Descriptions: Presenting high-quality images and short, informative descriptions of the food's origins and flavors.
- Performance Optimization: Ensures fast page load times by leveraging Vite's build speed and image optimization.
- Accessibility & Responsiveness: Adapting designs to work well on a variety of screen sizes, from mobile to desktop.
- Impact: Providing engaging educational and visual media to promote Indonesia's culinary richness to a wide audience.

Model Prototipe Intervensi Kesehatan Mental Berbasis Web untuk Remaja Dewasa di Indonesia dengan Pendekatan internet-based Cognitive Behavioral Therapy (i-CBT) - Universitas YARSI - Fakultas Psikologi & Teknologi Informasi ⟶ Aug 2024 - Jan 2025

Fullstack Web Developer

In this project, I developed a prototype web-based mental health intervention platform aimed at supporting the mental health of adolescents and young adults in Indonesia. The platform adapts Cognitive Behavioral Therapy (CBT) techniques into an online format, known as i-CBT (internet-based CBT). The platform aims to reduce barriers to accessing mental health services, such as social stigma and limited access to professionals. Through an interactive and user-friendly approach, the platform provides education, therapeutic resources, and practical

tools that users can use independently.

- Platform Design & Development: Design and build front-end interfaces using Bootstrap for responsive displays, and HTML/CSS/JavaScript to create engaging and user-friendly user experiences.
- Backend Development with Flask: Developed the backend of the platform using Python (Flask) to handle user authentication, data processing, and dynamic content serving. Integrated secure user sessions and personalized experiences through Flask routing and middleware.
- Database Management with MongoDB: Use MongoDB to efficiently store and manage user data, session logs, and therapy content. Implement CRUD operations for user profile management and therapy session tracking.
- Integration of CBT Techniques: Collaborated with a psychology lecturer to incorporate Cognitive Behavioral Therapy (CBT) techniques into the platform, ensuring that the therapeutic content aligns with evidence-based practices.
- User Testing & Feedback: Conducted user testing to gather feedback on the platform's usability and effectiveness, ensuring continuous improvement in both design and functionality.
- Prototype Delivered on Time: Successfully delivered a functional web-based prototype, integrating i-CBT techniques into a platform with user-friendly features.
- Collaboration with Psychology Expert: Worked closely with a psychology lecturer to translate therapeutic techniques into a digital format, contributing to a practical solution for mental health support.Innovative Use of Web Technologies: Leveraged Flask and MongoDB to create a robust and scalable back-end architecture, ensuring seamless data management and interaction between the platform and users.Effective Mental Health Intervention: The platform provided young adults in Indonesia with a meaningful and accessible mental health resource, addressing challenges such as stigma and limited access to professional services.Positive Impact on Mental Health Awareness: Received positive feedback from initial users, with many highlighting the platform's ability to engage and educate users on mental well-being through interactive and accessible content.Continuous Improvement: Based on feedback, iteratively improved the platform's design and backend functionalities to ensure an optimal user experience.

MSIB Studi Independent by Educourse PT Maleo Edukasi Teknologi - **Pt Maleo Edukasi Teknologi (Educourse.id)**   Jan 2024 - Jun 2024
Platform And Web Developer (Specialist Education Platform)

Learning independently as a full-stack web developer has been both challenging and rewarding. This process has given me the opportunity to continuously grow and deepen my understanding of web development. Throughout this journey, I've had the opportunity to work on various projects that have helped me gradually build my skills—from front-end development to back-end solution implementation.

- Front-End Development: Mastered the fundamentals of HTML and CSS, which laid the groundwork for creating structured and visually appealing websites. I utilized Bootstrap to design responsive, mobile-first layouts that adapt to a variety of screen sizes and devices.
- Interactive User Experience: With the power of JavaScript, I enhanced user experience by making websites dynamic and interactive. The addition of jQuery and Ajax allowed me to create seamless, real-time data interactions, removing the need for page reloads and improving fluidity in the user interface.
- Backend Development: I focused on backend development using Python and Django, building robust server-side applications and implementing features like user authentication, data processing, and dynamic content delivery.
- Collaboration & Problem Solving: Work closely with fellow developers and stakeholders to solve technical challenges and ensure the final product meets user needs and project objectives.
- Continuous Learning and Development: Continuously hone your skills by learning the latest frameworks, technologies, and best practices to ensure every website you build remains optimized, easy to maintain, and ready to grow as needed.
- Full-Stack Development Mastery: Gain hands-on experience in front-end and back-end development, combining HTML, CSS, and JavaScript for user interfaces and Python (Django) for the server side, thus being able to build complete and functional web applications.
- Responsive Web Design: Successfully created a responsive and mobile-friendly website using Bootstrap, ensuring the application is well accessible across a wide range of devices.
- Enhanced Interactivity: Uses JavaScript, jQuery, and Ajax to deliver dynamic and responsive web pages in real-time, increasing user engagement and convenience.
- Scalable Back-End Solutions: Develop a variety of back-end systems using Python and Django, including features such as user login, session management, and data processing—all designed to be secure, efficient, and easy to develop.
- Solution Focus & Teamwork: Addressing various technical challenges with a solution-oriented approach and good collaboration, while maintaining a focus on user-centered design principles.
- Commitment to Continuous Improvement: Consistently seeks opportunities to expand skills through self-directed learning and hands-on application, and stays abreast of the latest technologies and trends in web development.

Education

Universitas YARSI ✓ **- Jakarta, Indonesia**   Aug 2021 - Apr 2025
Bachelor of Computer (informatics Engineering), 3.61/4.00

Organizational experience

Karang Taruna   Aug 2019 - Present
Member

I'm actively involved in social activities focused on environmental conservation, where we hold various activities with local residents. One of our main activities is a competition to commemorate Indonesian Independence Day on August 17th in our neighborhood. This activity aims to strengthen the sense of community among residents while raising awareness of the importance of environmental sustainability. Through various fun and educational competitions, we successfully encourage the community to take an active role in creating a cleaner and greener environment.

Projects, Skills, and Certificates

- **Projects** (2024): (Instagram Unfollowers Checker Tool): I developed a tool that can identify Instagram accounts that don't follow back, utilizing official data exported from Meta (Instagram). The tool processes JSON data containing a user's followers and followings, then analyzes and compares the two to generate a list of accounts that don't follow back. This feature helps users gain a clear picture of their account engagement, allowing them to manage their connections more effectively.
- **Projects** (2022): (Pemrograman Berorientasi Objek): Create a puzzle game application with a focus on engaging and interactive user interface (UI) and user experience (UX) design.
- **Skills**: Effective Communication, Ability to Adapt to Technological Developments, Analytical Thinking, Teamwork and Collaboration, Perseverance and Enthusiasm for Learning, Problem Solving.
- **Hard Skills**: Programming and Coding, Full-Stack Web Development Branding Identity UI Design Prototyping Collaboration and Project Management Skills
- **Achievements** ⊘ (2025): Graduated with Cumlaude honors
- **Achievements** ⊘ (2024): Successful completion of an Endorsed STEM Program, demonstrating mastery of fundamental skills and knowledge in Science, Technology, Engineering, and Mathematics.
- **Achievements** ⊘ (2023): Participate in the Ai, Mobile, and IOT Track interest exhibition track
- **Achievements** ⊘ (2023): CCNAv7: Introduction to Networks through the Cisco Networking Academy program
- **Achievements** ⊘ (2022): Introduction to Cybersecurity through the Cisco Networking Academy program