Muhammad Dzaky Arya Saputra Budianto

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Mechatronics and Artificial Intelligence student who loves Frontend Web Developer with more than 1 year of experience in developing responsive and engaging user interfaces (UI). Proficient in HTML, CSS, JavaScript, as well as popular frameworks such as React.js. Skilled in optimizing user experience and implementing intuitive designs to improve website interaction and functionality. Have a deep understanding of UX/UI principles and be able to implement innovative and efficient web-based solutions.

Education

Universitas Pendidikan Indonesia
2022 - Present

- Relevant subjects:
Engineering Physics | Algorithms and Data Structures | Databases and Database Systems | Basic Programming | Introduction to Artificial Intelligence | Object Based Programming | Machine Learnin
- GPA: 3,64

Organization Experience

Himatronika-AI - Indonesia
Jan 2024 - Nov 2024

Staff of Commision 4 (2024)

- In charge of overseeing the performance of the PSDO Department, which focuses on the development of organizational resources.
- Ensure departmental programs and initiatives are in line with organizational goals.
- Provide direction and evaluation to improve the efficiency and productivity of the team in managing resource development.
- Play a role in monitoring and controlling program implementation to ensure successful achievement of set targets.

Course Certification

Short Class Frontend in Website Development Bootcamp by MySkill
Dec 2024

- Gain hands-on experience in website development, from interface design to dynamic functionality implementation, with HTML and CSS as the main programming languages.
- Design, develop and implement responsive and interactive layouts using UX/UI principles to create an optimal user experience.
- Learn how to integrate various design and coding elements to build websites that are not only attractive, but also functional and easy to use.

Dicoding Learn Basic JavaScript Programming
Dec 2024

- Understand Object-Oriented Programming (OOP) concepts in JavaScript, including the application of classes, inheritance, and encapsulation to create more structured and manageable code.
- Learn and apply asynchronous programming concepts using callbacks, promises, and async/await to handle asynchronous processes efficiently and improve application performance.
- Explore programming techniques such as recursive functions to solve problems elegantly and improve understanding in data structures and algorithms.
- Make a final project in the form of problems applying JavaScript to real-world scenarios.

Dicoding Learn Basic Web Programming
Nov 2024 - Dec 2024

- Learn the application of semantic HTML to improve website structure and accessibility, as well as ensuring context-appropriate use of HTML elements for SEO and ease of maintenance.
- Deep dive into CSS, including modern layout techniques such as Flexbox and Grid, and how to optimize responsive design to ensure websites look good across different devices and screen sizes.
- Master the application of JavaScript to add interactivity and functionality to websites, including event management, and DOM manipulation.
- Work on a final project that involves building a complete website with the application of semantic HTML principles, as well as implementing dynamic functionality using JavaScript to improve user experience.

Projects

MaisonDeSonder E-Coomerce Website
Dec 2024

An e-commerce site that features a catalog of clothing with a modern and user-friendly design, connected directly to the Shopee platform to make purchases easier. Collaboration with MaisonDeSonder, providing the best clothing collection that can be easily accessed by customers. A seamless and practical shopping experience, combining aesthetic appearance and functionality to fulfill today's fashion needs.

Personal Blog Website
Dec 2024

A personal website that blogs about the application of Artificial Intelligence (AI) in the gaming industry. The purpose of this website is to complete the Web Frontend submission task at Dicoding by applying good semantic HTML concepts, as well as the use of JavaScript to increase interactivity.

DetakSehat.
Oct 2024 - Present

A website for diagnosing heart disease, equipped with an AI chatbot that helps users understand symptoms, provides personalized advice, and guides them through the diagnosis process in an interactive and accessible manner.

Sistem Pendeteksi Postur Tubuh
Nov 2024 - Present

A website that integrates IoT and Machine Learning to detect sitting position, with live detection using OpenCV and posture monitoring. Built with React, Vite, and Tailwind for the frontend, and Flask (Python) for the backend.

Skills

Technicals Skills: Microsoft Office & Google Docs, Visual Studio Code, Excel & Spreadsheets, Figma

Web Design: Semantic HTML, CSS, JavaScript, React & Vite, Tailwind CSS, UX/UI Design Principles

Language: Indonesia (Native), English (Fluent)