Dharani

Front-End Developer

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Profile

Passionate and results-driven front-end developer with a strong foundation in HTML, CSS, and JavaScript, backed by practical experience in crafting interactive and responsive web interfaces. With a proven track record in portfolio and web application projects, I am dedicated to delivering efficient, user-centric digital experiences. Eager to apply my skills in a dynamic environment that values innovation and growth.

Education

B.E- Electronics and Communication Engineering
Christian College of Engineering and Technology
2020/11 – 2024/05 | Dindigul, India
CGPA: 8.11

Skills

Front-End Technologies: HTML, CSS, JavaScript, React.js

Frameworks: Bootstrap, Responsive Web Design

Version Control: Git, GitHub

Database Management: MySQL

Languages: C, C++, Python

Soft Skills: Communication, Problem-Solving, Analytical Thinking, Time Management

Certificates

MySQL Training– Besant Technology
- *Gained a strong foundation in SQL, database design, and management, leading to the developing of a Library Management System project focusing on data integrity and optimized queries.*

Courses

Database Management System-SQL
Besant Technology
- *Completed a MySQL course, gaining a strong foundation in SQL queries, database design, and management.*
- *Developed a comprehensive Library Management System project, showcasing proficiency in database creation, data manipulation, and query optimization*

Projects

Library Management (MySQL) ⊠
2024/09
- *Developed a comprehensive library management system using MySQL to manage book inventories, member details, and transaction records.*
- *Designed and implemented database schemas with tables for books, members, loans, and fines.*
- *Utilized SQL queries for efficient data retrieval, insertion, updates, and deletion operations.*
- *Created stored procedures and triggers to automate tasks such as due date notifications and fine calculations.*

Design and Implementation of Automation fire detection and Extinguishing Device using Arduino
2024/05
- *Designed and implemented a comprehensive fire detection and extinguishing system utilizing Arduino microcontrollers for real-time monitoring and response.*
- *Integrated various sensors for accurate fire detection and employed actuators to trigger extinguishing mechanisms.Developed and optimized algorithms for efficient fire detection and suppression, ensuring rapid response times and minimal damage.*
- *Demonstrated proficiency in hardware design, programming, and system integration, achieving a fully functional and reliable system.*

Online Store Database
2024/10
- *Developed an SQL-based database system to manage the backend operations of an online store. The project involved designing and implementing a relational database to handle essential functions such as product inventory management, customer data, order processing, and payment tracking.*
- *The database schema was optimized for efficient query performance, supporting functionalities like customer searches, order history tracking, and real-time inventory updates.*
- *Advanced SQL queries, including JOINs, nested queries, and transactions, were used to ensure data integrity and smooth operational flow.*

Portfolio Website ⊠
Technologies Used: HTML, CSS, JavaScript, React.js
2024/10
- *Developed a responsive personal portfolio leveraging React.js for a modular, component-based structure. Implemented smooth navigation, dynamic content rendering, and optimized performance for an enhanced user experience.*

Web-Based Music Player Interface ⊠
Technologies Used: HTML, CSS, JavaScript
2024/11
- *Designed a fully functional music player interface with React.js components, featuring a progress bar, volume control, and playlist management. Integrated responsive design for seamless usage on multiple devices, prioritizing both style and usability.*