K S Aswin

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About Me

As a former electrical engineer turned full-stack developer, I bring a unique blend of technical precision and creative vision to the world of software development. Passionate about harmonizing the art of design with the science of technology, I strive for perfection in crafting seamless user experiences and robust backend systems. Currently advancing my expertise through a Java Full Stack Developer course, I am eager to leverage my multidisciplinary background to build solutions that are not only functional but also elegantly designed.

Internship / Upskilling

1.Electrical Substation Monitoring and Operations

KSEBL Electical Section , Nalanchira , Trivandrum **– 2022**

- Monitored real-time performance of electrical substation equipment.
- Conducted inspections and tests on transformers, circuit breakers, and other components.
- Recorded and analyzed operational data to ensure system reliability.
- Collaborated with engineers to troubleshoot faults and optimize system efficiency.

2.Java Full stack development

Kompetenzen Technologies , Trivandrum **- 2024**

- Helped create responsive websites using ReactJS, HTML, and CSS.
- Worked closely with the design team to improve user interfaces and overall appearance.
- Took part in daily team meetings and reviewed code to ensure quality standards.
- Used Bootstrap to design layouts that work well on mobile devices

Projects

1.Capacitive Coupled Wireless Circuit

- Simulated the capacitive coupled wireless power transfer circuit using MATLAB.
- Designed and optimized circuit parameters to achieve standard power transfer efficiency.
- Conducted performance analysis to ensure circuit stability and optimal power delivery.
- Collaborated with team members to integrate simulation results into practical circuit design

2.Music Concert Ticket Registration Website (HTML , CSS , Bootstrap)

- Designed a user-friendly interface for event details, ticket selection, and registration forms.
- Implemented a responsive layout that adjusts seamlessly across different screen sizes.
- Styled the website with custom CSS and utilized Bootstrap components to ensure an appealing and interactive user experience.
- Integrated form validation to ensure smooth registration and ticket purchasing process.

3.Library Management System (React JS , HTML , CSS , Bootstrap)

- Developed a Library Management System with features like book management, user registration.
- Enabled user registration and login for secure access to the system.
- Allowed admins to manage the library catalog by adding, editing, and deleting books.
- Created a dynamic dashboard to track books and manage user activity.
- Used ReactJS to build interactive UI components and React Router for different views.
- Designed a clean, responsive UI with HTML5, CSS3, and Bootstrap for cross-device compatibility.
- Implemented form validation for user registration and login to ensure accurate data entry.
- Added real-time search to help users find books by title, author, or category.
- Used local storage to store user sessions and book data without requiring a backend

4.To-Do-List App (React JS , HTML , CSS , Bootstrap)

- Developed a To-Do List App that lets users add, edit, and delete tasks to manage daily activities.
- Built the app with ReactJS for dynamic components like task management and input forms.
- Allowed users to add, edit, and delete tasks for effective task management.
- Created a responsive UI using HTML, CSS, and Bootstrap for compatibility across devices.
- Managed task data with React state and used hooks (useState, useEffect) for dynamic updates.
- Designed an intuitive UI with Bootstrap for styling tasks, buttons, and input fields.
- Used local storage to save tasks between sessions, keeping data persistent.
- Added task filtering options to view all tasks, active tasks, or completed ones.
- Ensured the app is responsive and user-friendly with form validation to prevent empty submissions.

Education

1.High School – 2016

- Saraswathi Vidyalaya , Trivandrum
- Percentage : 81 %

2.Higher Secondary School – 2018

- Saraswathi Vidyalaya , Trivandrum
- Percentage : 71 %

Technical Skills

- HTML
- CSS
- Bootstrap
- Java Script
- React JS
- Core Java (Basics)

Soft Skills

- Analytical Thinking
- Self-Driven
- Effective Communication
- Time Management
- Optimistic
- Confident

Language

- Hindi (Basic understanding)
- German (Basic understanding)