
Somesh saini

Software developer with expertise in front-end development, experienced in leading cross-functional teams.

malviya nagar
jaipur, rajasthan
9636260524
someshsaini81@gmail.com

SKILLS

FRONTEND : Html , Css , jquery, JavaScript, React js , Next js, Node js

Design : figma

EDUCATION

LBS College , jaipur — *bachelor of science*
2019- 2022

EXPERIENCE

Oxymora Technology Pvt. Ltd., Jaipur, Rajastha -
Front-end Developer

December 2022 - Present

Research and Product Development Company in Electrical & Electronics. We provide Embedded System & IoT-based solutions under one roof from planning to development (Hardware & Firmware as well as Web & Mobile Application) and production too.

CNC Infotech RS-CIT Center, Jaipur, Rajasthan -
Diploma in Programming Languages

March 2022 - August 2022

Completed a 6-month diploma program focusing on various programming languages.

PROJECTS

Feedback Dashboard Project

Technologies: HTML, CSS, JavaScript, jQuery

Tools: VS Code, Canva

Protocol: MQTT

Developed a real-time feedback dashboard for monitoring user responses (good, bad, average) from multiple devices. Key features include:

- **Live Data Visualization:** Displays feedback data from various devices in real-time.
- **Device Management:** Allows users to add devices via Excel uploads.
- **Data Filtering and Analysis:** Users can filter and analyze feedback data by day or week.
- **Export Functionality:** Users can download feedback data in Excel format.
- **User Role Interfaces:** Implemented distinct interfaces for admin and user roles to enhance user experience and access control.

Gyro Dashboard

Technologies: HTML, CSS, JavaScript, jQuery

Tools: VS Code, Canva

- **Employee Tracking:** Developed a comprehensive dashboard to effectively monitor and track employee movements.
- **Reporting and Certification:** Implemented features for generating certificates and detailed reports for clients.
- **Task Management:** Created functionalities for assigning tasks to employees and collecting daily work reports.
- **Data Management:** Analyzed user data, including daily call reports, lead generation, employee tasks, installation reports, client data, and employee tour plans.
- **User Roles:** Designed a dual-access system with distinct functionalities for admin and user roles, enabling precise assignment of user rights.

Automatic Solar Panel Cleaning Robot

Technologies : HTML, CSS, jQuery ,Raspberry Pi (Acts as the main controller for the system.)

User-Friendly Dashboard:

- *Comprehensive interface for monitoring system performance.*
- *24-hour alarm-based alerts to notify users of system status.*
- *Real-time tracking of controller and motor operations.*

Wireless Communication:

- *Developed an interface using RF or LoRa technology.*
- *Achieves a communication range of up to 2 km (line-of-sight).*

Timer Server:

- *Created using Node.js to continuously check the server's timer.*
- *Sends data to the device via MQTT when the set time is reached.*

RTC Development:

- *Implemented a Real-Time Clock for precise scheduling of cleaning operations, ensuring timely and efficient maintenance of solar panels.*
- *Maintenance and Updates: Ensure regular software updates for improved functionality and security.*
- *User Feedback: Gather user input to enhance the dashboard and system performance.*
- *Energy Efficiency: Consider optimizing the power consumption of the Raspberry Pi and communication modules.*

LDR-Smart Switch Dashboard

Technologies: React.js, Node.js, Tailwind CSS, CSS, jQuery

Tools: Visual Studio Code, Figma

Protocol: MQTT

- *Developed a comprehensive dashboard using react js for controlling and monitoring multiple smart devices.*
- *Implemented distinct interfaces for both admin and user roles.*
- *Facilitated real-time data retrieval from devices for live monitoring.*

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- Enabled users to manage device settings seamlessly.
 - Implemented functionality to download live data from devices.
 - Designed a user-friendly interface using Tailwind CSS for responsive design and enhanced user experience.
 - Participated in code reviews and customer meetings, performed unit testing, and resolved critical firmware issues related to device updates and communication in the field.

Airbin Zylemenergy dashboard

Technologies: React.js, Node.js, Tailwind CSS, jQuery

Tools: VS Code

Protocol: MQTT

- **User Management:** Implemented a role-based access system with three user roles (Superadmin, Admin, User), ensuring appropriate permissions for each level.
- **Device Categories:** Developed a responsive homepage displaying device categories (Outdoor, Pole, Smog) with indicators for active/inactive status.
- **Device Control Panels:** Created interactive control panels for Outdoor and Pole devices, showcasing real-time sensor data, filtering options, and data visualizations (charts and tables).
- **Timer Functionality:** Integrated timer settings for Pole devices, enabling users to configure, start, and stop timers effectively.
- **Profile Management:** Designed a user-friendly profile page featuring login details and a toggle for day/night mode.
- **Device Management:** Implemented functionality for adding devices via manual entry and Excel uploads, as well as assigning devices to registered users.
- **Custom User Sign-up:** Developed a streamlined sign-up process that allows users to create customizable login credentials through generated links.