

VIJAYA BHASKAR REDDY VENNA

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Portfolio : <https://vijayreddyvenna.github.io/Portfolio>

SKILL SUMMARY

- **Programming Languages** : Java , PHP, JavaScript
- **Frontend Technologies** : HTML, CSS , Bootstrap, , ReactJs
- **Backend** : Servlets , JSP , Spring Boot , Microservices , REST API's
- **Data Base** : MySQL,JDBC, Hibernate
- **Architecture** : MVC Architecture ,RESTful services
- **Tools & Others** : Eclipse , VS Code, Git, GitHub ,MQTT Protocol

WORK EXPERIENCE

IScientific Techsolutions Labs Pvt.Ltd

Role : Junior Software Engineer (Full Stack Developer)

Experience: 1+ Years (May 2024 – Present)

- Hands-on experience in full-stack development using **Java, PHP, JavaScript, React.js, HTML, CSS, and Bootstrap**.
- Built responsive web interfaces and dynamic UIs using **React.js** and **Bootstrap** for modern web applications.
- Developed backend services using **Java (Servlets, JSP, Spring Boot, REST APIs)** and **PHP**, following **MVC architecture**.
- Worked with **MySQL, JDBC, and Hibernate** for efficient data storage and retrieval.
- Integrated real-time data communication using the **MQTT protocol** for control and monitoring applications.
- Proficient with tools like **Eclipse, VS Code, Git, and GitHub** for development and version control.

KEY PROJECTS

Live Motor Control and Monitoring System – Web Application

- Designed and implemented a centralized dashboard for monitoring and controlling **6 motors** and **6 valves** across **10 platforms** at Secunderabad Railway Station.
- Enabled real-time visibility of motor modes (**Automatic/Manual**), along with **inlet and outlet pressure** readings for operational efficiency.
- Integrated monitoring of key **electrical parameters** (voltage, current, power) and provided control over valve operations to manage water distribution effectively.
- Developed an **alerting system** and **historical data reporting** module to support diagnostics, performance tracking, and fault analysis.
- **Technologies**: React.js, Java, MySQL, HTML, CSS, Bootstrap, Git, GitHub, MQTT Protocol

Water Management System– Web Application

- Implemented real-time monitoring of multiple water tanks with capacity visualization and automated status indicators.
- Developed a remote pump and valve control system with ON/OFF functionality and live status tracking.
- Integrated flow rate measurement and water consumption tracking to optimize usage and efficiency.
- Added monitoring of electrical parameters (voltage, current, power) for pump health and performance analysis.
- Enabled historical data reporting with advanced filtering, search capabilities, and priority-based operation management.
- **Technologies:** React.js, Java, MySQL, HTML, CSS, Bootstrap, Git, GitHub

Sesola Energy Company Website

- Developed and deployed the company's React.js website, [ISTL Energy](https://istlenergy.com), delivering a clean and responsive UI across devices.
- Built reusable, modular React components and leveraged React Router to create seamless client-side navigation on the ISTL Energy website.
- Integrated APIs and dynamic content to ensure up-to-date information and interactive features on <https://istlenergy.com>
- Optimized performance of the ISTL Energy site via lazy loading, code splitting, and best practices to minimize load times and improve user experience.

Centralized Control Monitoring System (CCMS) – Web Application

- Developed a web-based dashboard for centralized control and real-time monitoring of multiple systems.
- Implemented dynamic visualization of live system data using frontend technologies.
- Built backend functionalities for data management and system operations using PHP and MySQL.
- **Technologies:** HTML, CSS, Bootstrap, JavaScript, PHP, MySQL.

EDUCATION

Audisankar College of Engineering and Technology

Gudur

B.Tech (EEE) : CGPA : 7.86

2019 – 2023

CERTIFICATIONS

Web Development Course

- Received a certification in comprehensive web development from Hyse Software Solutions Pvt. Ltd., Chennai.