Peyyala Mohan

Java Full Stack Developer | Spring Boot | React.js | Fresher
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CAREER OBJECTIVE

A highly motivated B.Tech graduate with foundational knowledge in Java full-stack development, eager to apply my skills in Spring Boot, REST APIs, and React.js to build real-world software solutions while growing within a collaborative engineering environment.

EDUCATION

- BTech in Electrical Engineering 2020-2024
  Dadi Institute of Engineering and Technology - 7.74 CGPA
- Intermediate 2018-2020
  Sri Surya Junior College - 9.5 CGPA
- SSC 2017-2018
  ZP High School - 9.5 CGPA

TECHNICAL SKILLS

- Programming Languages : Java
- Frontend Technologies : HTML5, CSS3, JavaScript, React.js, Bootstrap
- Backend & Frameworks: JDBC, Servlets, JSP, Spring Boot, Microservices, RESTful APIs
- Databases : MySQL, Oracle
- Version Control : Git, GitHub
- Cloud : AWS (basic knowledge)

PROJECTS

1. Employee Management System (Full-Stack Web Application)

Tech Stack: React.js, HTML5, CSS3, Bootstrap 5, Spring Boot, MySQL
Tools Used: Maven, Git, GitHub, Postman

- Developed a full-stack web application using **React.js** and **Spring Boot** to manage employee data with Create, Read, Update, and Delete (CRUD) functionalities.
- Developed and integrated **RESTful APIs** in Spring Boot, connected to a **MySQL** database for persistent, secure data storage.
- Utilized **Axios** in React to consume backend APIs and enable seamless data interaction.
- Designed a **responsive, user-friendly interface** using Bootstrap and CSS, optimized for both desktop and mobile devices.
- Implemented **form validations and role-based login authentication** to enhance usability and ensure secure access.

2. IIoT for energy management System using Green Energy (Engineering Project)

Tools & Technologies: Arduino, Proteus, Sensors, Renewable Energy Concepts

- Designed and simulated an **IIOT-based energy monitoring system** using Arduino and Proteus to track and optimize power consumption in smart grid environments.
- Integrated sensors to monitor real-time parameters such as **voltage, current, and energy usage**.
- Researched and proposed solutions for **renewable energy integration** and efficient power distribution using green energy sources

CERTIFICATIONS

- **Java Full Stack Development** | Quality Thoughts (April 2025)