Kunal Sharma

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Linkedin | GitHub

Education

Silicon Institute of Technology   Orissa
Computer Science Engineering Bachelor of Technology   September 2019 – June 2023
CGPA: 8.8

Experience

Hindalco Industries Limited | Summer Trainee   Renukoot, India | July 2023 - September 2023
- **Automated data entry processes**, **eliminating manual data entry**, **saving time**, and **reducing errors.**
- **Enabled real-time updates** of QR code scans, enhancing data accuracy and decision-making.
- **Developed a QR Scanner application** with database integration, aligning with automation and data accuracy goals.

Skills

- **Programming Languages:** JAVA, HTML5, CSS, JAVA Script, SQL, JPQL, PL/SQL
- **Libraries/Frameworks:** Spring framework, Spring Boot, JWT, JPA, Hibernate, ORM, React, React-Router-DOM, Redux, Tailwind CSS, Bootstrap, React-hook-Form, Swagger
- **Tools/ Platforms:** Spring Tool Suite, Eclipse, Visual Studio Code, Postman, ESLint, NPM
- **Databases:** MySQL, Oracle
- **Methodologies:** MVC Architecture, RESTful API Development, Unit Testing

Projects / Open-Source

Career Crafter – A Career Portal Web application | Link   **Spring Boot, React, MySQL, JWT, Redux**
- Developed a career portal website using **Java**, **Spring Boot**, and **React**, facilitating job posting, application, and profile management functionalities.
- Implemented comprehensive backend architecture with six entities, **RESTful APIs,** and robust exception handling mechanisms. Used **Hibernate** validation and **JPA** repositories for ORM. Utilized **JWT** security for the authentication. At last, I used **Swagger** to make documentation.
- Designed and developed responsive and user-friendly frontend interfaces using **HTML**, **CSS**, **Tailwind CSS**, and **Bootstrap**, ensuring an exceptional user experience.
- Integrated state management and authentication features using **Redux** and **Redux Toolkit**, ensuring secure and efficient user interactions.
- Followed industry best practices such as API outsourcing and Redux optimization to enhance **application performance and scalability**.

Criminal-Analysis-and-Reporting-System | Link   **Java**, **MySQL**, **Unit Testing**
- This project exemplifies **industry norms** with organized packages - **dao**, **utility, entity**, and **c.myexception.**
- The inclusion of a **JUnit Jupiter testing** class ensures comprehensive testing, guaranteeing a **robust** and reliable system.

Hospital-Management-System | Link   **Java**, **MySQL**, **JDBC.**
- Explored a concise Hospital Management System in **Java**, showcasing **OOPs** concepts (Polymorphism, Inheritance), **data abstraction**, and **JDBC** connectivity.
- This project reflects rapid coding, **custom exception handling**, and effective database integration.

Certifications

- **Summer Training** - Hindalco Industries Limited.
- **Data Structure and Algorithm in Python** - NPTEL IIT-Madras.
- **Data Science with Python** - NPTEL IIT- Madras.
- Participated in **G-20** 2023 Educational Meeting at Bhubaneshwar - Ministry of Skill Developement and Entrepreneurship.
- **J.P Morgan** Software Engineering Virtual Experience - Forage.