

Kuldeep Raj

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SUMMARY

Third-year Computer Science student with 1+ year of **React Development** experience, gained through hackathons and personal projects. Proficient in building responsive user interfaces, integrating APIs, and working with tools like Firebase. Solved **multiple DSA problems** on [LeetCode](#) and [GeeksforGeeks](#), demonstrating strong problem-solving and algorithmic thinking. Well-versed in **SQL and relational database systems**, with hands-on experience in designing schemas, writing complex queries, and understanding database normalization and indexing.

EDUCATION

2023 – 2027 **Bachelor of Engineering (Computer Science)**
Dayananda Sagar College of Engineering, Bengaluru (9.73 CGPA)
2022 **Class 12** – Govt. Inter College (92.2%)
2020 **Class 10** – Shri Shankar High School (88.8%)

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, C, C++, Python, SQL
Web Technologies: HTML5, CSS3, React.js
Developer Tools: Linux, Git, GitHub, Visual Studio, Firebase, Postman, Vercel, Render
Libraries: NumPy, Swiper, Matplotlib, Pandas

PROJECTS

- **Bookify** (React, Firebase, AI, Payment Integration):
 - A feature-rich **book rental and purchase platform** with a modern and responsive UI.
 - Integrated an **AI-powered chatbot** to provide personalized book recommendations and user assistance.
 - Implemented **Firebase Authentication and Firestore** for secure user login and real-time data storage.
 - Added a **payment gateway** to enable seamless and secure online transactions.
- **Trip Trekker** (HTML, CSS, JavaScript):
 - A visually appealing **travel and tourism website** that helps users explore destinations, discover attractions, and plan trips.
 - Integrated smooth **scroll-based animations and interactive elements** to enhance user engagement and experience.
 - Designed fully **responsive layout** for both desktop and mobile devices using modern CSS practices.
 - Highlighted destinations, testimonials, and featured packages to simulate a real-world travel agency interface.
- **RailEase** (Java, Swing, SQL, MySQL Workbench, JDBC Connector):
 - A **desktop-based railway ticket booking system** that enables users to reserve tickets for any train with a desired number of passengers.
 - **Java Swing:** Designed an interactive and user-friendly GUI for smooth booking experience.
 - **MySQL with JDBC:** Used to store, retrieve, and update ticket, train, and passenger data efficiently.
 - Supports real-time availability checks, fare calculation, and booking confirmation.

AWARDS AND CERTIFICATIONS

- **State Rank 12, Bihar Board (Class 12th):** Achieved **12th position** in the Bihar School Examination Board, highlighting academic excellence and consistent performance in board examinations.
- **Top 10, BotCraft Hackathon (2024):** Secured a position in top 10 for developing an innovative **Discord bot** focused on research paper discovery, summarization, and **AI-driven Q&A** and **integrating APIs**.
- **C Programming – Infosys Springboard:** Completed certification covering C fundamentals, control flow, arrays, and pointers.
- **C++ Programming – Infosys Springboard:** Gained hands-on experience with OOP concepts, STL, and file handling.
- **Database Management Systems – Infosys Springboard:** Learned SQL, relational models, normalization, and transactions.
- **Operating Systems – Infosys Springboard:** Understood process management, memory allocation, and scheduling algorithms.
- **Ethical Hacking – Infosys Springboard:** Explored cybersecurity basics, vulnerabilities, and penetration testing tools.