DIL RAJ

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Lakhisarai, Bhar - 811311, India

OBJECTIVE

Seeking a challenging role in software engineering where I can apply my skills in full-stack web development and data structures & algorithms (DSA) to drive innovation and solve complex problems. I am eager to contribute to cutting-edge projects, leveraging my experience in real-life project development and algorithmic problem-solving to deliver impactful solutions.

EDUCATION

• **Indian Institute of Information Technology Nagpur** — *11 2022 - 06 2026*
Bachelor of Technology — Nagpur, Maharashtra
  ◦ GPA: 8.2/10

• **P.B. High School** — *03 2022*
Intermediate — Lakhisarai, Bihar, India
  ◦ Percentage: 87%

• **Balika Vidyapith High School** — *02 2020*
Matriculation — Lakhisarai, Bihar, India
  ◦ Percentage: 87%

PROJECTS

• **College Management System** — *May 2024 - September 2024*
Tools: React, Node, Express, MongoDB, Mongoose, HTML, CSS, Tailwind, JavaScript [⬡]
  ◦ Developed a comprehensive system for managing departments, courses, instructors, and students within a college environment, enabling efficient data manipulation and retrieval.
  ◦ Enabled administrative functionalities, including assigning faculty to courses, enrolling and removing students, and managing course details. Implemented faculty functionalities for course selection, student enrollment, and record management.
  ◦ Utilized MongoDB and Mongoose for robust data storage and retrieval, applying indexing on key database tables to enhance query performance and ensure scalability for larger datasets.
  ◦ Applied secure authentication and authorization mechanisms to protect sensitive information and ensure proper access control for different user roles.

• **E-Commerce Frontend** — *July 2024 - August 2024*
Tools: React, Tailwind CSS, HTML, CSS, JavaScript [⬡]
  ◦ Developed a dynamic web interface allowing users to add, like, and remove items from a shopping cart, enhancing user engagement and interaction.
  ◦ Integrated toast notifications for real-time feedback on user actions such as adding or removing items, contributing to a seamless user experience.
  ◦ Designed a bill generation module to accurately calculate the total cost of items, facilitating efficient and straightforward checkout processes.

• **Call Management System** — *Jan 2023 - Feb 2023*
Tools: C++, File Handling [⬡]
  ◦ Developed a call management system with functionality for adding, removing, searching, and updating call records using file handling.
  ◦ Implemented efficient search and update operations to ensure quick and accurate retrieval and modification of call records.
  ◦ Ensured data integrity with accurate file updates, preventing data loss and corruption.

SKILLS

• **Programming Languages:** C, C++, Java,
• **Web Technologies:** HTML, CSS, Tailwind CSS, JavaScript ,React, Nodejs , Expressjs
• **Database Systems:** MongoDB, MySQL, Postman
• **Data Structures & Algorithms:** DSA, Problem Solving
• **DevOps & Version Control:** Git, GitHub
• **Other Tools & Technologies:** AutoCad

ADDITIONAL INFORMATION

Languages: Hindi (Native), English (Fluent)
Interests: Problem Solving, Designing, Gaming