LAKSHAY GARG

FULL-STACK DEVELOPER

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🌐 **LINKEDIN**
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🌐 **LEET CODE**
https://leetcode.com/lakshay1234/

🌐 **GITHUB**
https://github.com/lgarg12

SKILLS

- Experienced in implementing fundamental algorithms such as sorting, searching, dynamic programming, and graph algorithms.
- Successfully tackled over 600 Leetcode problems with optimization techniques.
- Experienced in developing responsive user interfaces using HTML, Tailwind CSS, and React.js.
- Proficient in state management and bundling with Redux, Webpack, and Babel.
- Familiar with building RESTful APIs using Node.js and Express.js.
- Proficient in authentication mechanisms including JWT.
- Well-versed in MongoDB for CRUD operations and experienced with Postgres databases.
- Skilled in testing APIs using Postman for efficient debugging and validation.

EDUCATION

2021- 2025

B.E. (Bachelor of Engineering)

Jaypee Institute of Information Technology, Noida

PROFILE

Experienced Full Stack Developer proficient in MERN Stack development, GraphQL, Git version control, Dockerization, SQL databases, and RESTful APIs. Skilled in crafting robust backend services and scalable web applications. Excels in optimizing performance through testing frameworks and caching strategies.

PROJECT PROTFOLIO

1. **File Manager**   2020-2022

I developed a high-performance file system storage management system using C++, featuring a Multiple Level Linked List data structure to represent directory hierarchy efficiently. With over 700 lines of code, this system enables seamless traversal and manipulation of files. Key functionalities include directory creation at any level for improved organization and connectivity, efficient file management with metadata storage for adding, deleting, and modifying files, and easy directory traversal to list subdirectories and files. Additionally, the system supports directory operations such as renaming, moving, and copying directories within the structure, as well as file operations including opening, closing, reading, and writing files while maintaining organizational integrity.

3. **HealthHub**   ONGOING PROJECT

The proposed healthcare management system aims to optimize doctor-patient interactions, streamline appointment scheduling, and improve healthcare efficiency. It offers user-friendly registration for doctors and patients, efficient doctor timetable management, patient doctor selection with token allotment, and maintains comprehensive patient visit records. Additionally, the system provides real-time appointment status updates and handles emergency scenarios, promising to revolutionize healthcare delivery with modern technology and robust features.

4. **Chat Application**

I developed a real-time chat application utilizing Socket.io for seamless communication, as part of a MERN stack project. Leveraging Socket.io's powerful features, I ensured instant messaging capabilities, allowing users to engage in dynamic conversations effortlessly. This project not only honed my skills in full-stack development but also deepened my understanding of real-time technologies, enhancing the overall user experience.