

PRAKHAR SINGH

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Profile

A passionate and detail-oriented software engineer with hands-on experience in developing web applications using MERN stack, Node.js, and ReactJS. Eager to apply my knowledge and technical skills to real-world challenges and contribute to dynamic software development teams.

Experience

HP computers, Lucknow

June 2024– August 2024

Software engineer Intern

Onsite

- Developed and optimized algorithms to enhance system performance, working directly with on-site engineering teams to address complex computational challenges.
- Gained hands-on experience in applying data structures and algorithmic principles to solve real-world problems, focusing on efficiency and scalability.
- Participated in DSA-focused workshops and training, strengthening foundational knowledge and coding skills.

Projects

Twitter Clone (MERN Stack)

[Link](#)

- **User Authentication & Authorization:** Implemented secure user registration and login functionality using JWT (JSON Web Tokens) and bcrypt for password hashing.
- **Tweet Functionality:** Enabled users to create, edit, and delete tweets, with support for character limits.
- **Follow System:** Developed a system where users can follow and unfollow others, with a dynamic feed showing tweets from followed accounts.
- **Notifications:** Built a real-time notification system to alert users of new followers, likes, and retweets.
- **Responsive Design:** Ensured the application is mobile-friendly and responsive across various devices.

Simon Game (HTML, CSS, Java Script)

[Link](#)

- Developed an interactive Simon game using HTML, CSS, and JavaScript.
- The game challenges users to replicate an increasingly complex sequence of colours and sounds generated by the computer. Each round adds a new step to the sequence, requiring players to maintain focus and improve their memory skills.

ABC Chatbot (MERN Stack with Gemini API)

[Link](#)

- The project demonstrates proficiency in front-end development, including DOM This project involves creating an interactive chatbot using **ReactJS**.
- It is integrated with the **Gemini API** which has enhance natural language processing (NLP), and connect with external services.
- The bot provides dynamic responses based on user input and API calls, making it suitable for customer support, personal assistance, or general interaction.

Education

Roorkee Institute of Technology (Roorkee, India)

Oct,2021-June2025

Bachelor of Technology (Computer Science)

CGPA-6.7

Relevant Coursework

- | | | | |
|---------------------|------------------------|------------------|-------------------------------|
| • Data Structures | • Software Engineering | • Algorithms | • Database Management |
| • Computer Networks | • Operating System | • Data Analytics | • Object-oriented Programming |

Skill

- **Language:** - Hindi (Native), English (Intermediate).
- **Technical Skill:** -Python, C, C++, Java script, HTML, CSS, NodeJS, MongoDB, React, MySQL.
- **Certificate:** -HP computers Internship certificate, Hackathon certificate RIT (2023-2024)