Prakash Kumar

UG (IV Year I Semester)
B.Tech. (Chemical Engineering)
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Registration No: 20112081/2024

Indian Institute of
Technology
Roorkee

VERIFIED

Area of Interest

DSA, Competitive Programming, Full Stack Web Development, DBMS, Operating System

Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2023	B.Tech. 3rd Year	Indian Institute of Technology, Roorkee	7.125
2019	Intermediate (Class XII)	Shiv Jyoti Senior Secondary School , Kota	81.80 %
2017	Matriculate (Class X)	Keshav Vidhya Mandir Secondary School Anadara(Sirohi)	92.33 %

Internships

Software Development Engineer (SDE) Frontend Intern | Knothastags   May 2023 - July 2023
- Crafted responsive and interactive frontends, seamlessly integrating Tailwind CSS to achieve designs efficiently.
- Implemented efficient state management for user data using state management libraries or frameworks (e.g., Redux) to maintain consistency and facilitate data retrieval.
- Also had the opportunity to work on the backend, using Node.js and Express.js to build robust APIs, enabling seamless data exchange between the frontend and server.

Projects

Community Website | Knothastags   March 2023 - April 2023
- Designed and developed a secure and user-friendly admin dashboard for a community website, ensuring smooth and controlled access to sensitive site management features.
- Implemented robust middleware and authentication mechanisms to protect admin-only functionality.
- Defined and managed admin user roles and permissions, granting access to specific dashboard features based on roles.
- Utilized state management libraries like Redux or React Context API to efficiently manage and update complex application state, resulting in improved performance and user experience.

Chat App | Self Project   August 2023 - September 2023
- Build a real time chat application with one-to-one and one-to-many media transfer functionalities.
- Implemented features such as instant messaging, user authentication, and real-time updates, including Password hashing and session management, ensuring data privacy and user authentication.
- Implemented advanced features such as message synchronization, push notifications, and online status indicators, optimizing the user experience and ensuring real-time updates.
- Techstack - MongoDB for efficient data storage, Express.js for robust server-side development, React for a dynamic user interface, and Node.js for seamless real-time functionality.

Awards / Scholarships / Academic Achievements

- **Expert** On Codeforces (Rating- **1606**)
- 3 Star on CodeChef (Maximum Rating - **1726**)
- Got Global Rank **49** In Codechef Contest Starter 49 Division-3
- Got Global Rank **415** Rank On Codeforces Round 895 Division-3
- Contributed to team victory in the final cricket match of the Intra Rajiv Bhawan Tournament

Skills

Computer languages	C++, JavaScript, Python
Software Packages	HTML, CSS, TailWindCss, ReactJS, NodeJS, ExpressJS, Redux, Soket.io, ChakraUi, Postman, MongoDB, MySQL, DBMS, Operating System, Git/Github, VsCode,
Additional Courses	Mastering Data structures & Algorithms by Abdul Bari (Udemy), Web Development Bootcamp by Angela Yu
Languages Known	English(SRW), Hindi(SRW)

Positions of Responsibility & Extra Curriculars

First Rank In CodeHack Hackthon | DevCode Community   February 2023
- First-Place Winner, CodeHack Hackathon: Demonstrated exceptional coding skills and problem-solving abilities, securing the top position in a highly competitive environment.
- Developed a real-time cryptocurrency data display application that provides up-to-the-second information on various
- cryptocurrencies and their prices across multiple exchanges.
- Leveraged an external API to fetch and present data in an engaging and user-friendly manner.
- Data is presented in the form of real time charts using chartjs.

Volunteer (Primary Education Cell) | NSS IIT Roorkee   December 2020 - July 2021
- The cell volunteers teach and motivate students those come from rural area of Roorkee.
- We taught those students online during the Covid pandemic.