

DEEPANSHU SEHRAWAT

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EDUCATION

Bachelor of Technology in Computer Science and Engineering(Data Science)	2022 - 2026
<i>Dr. A.P.J. Abdul Kalam Technical University</i>	7.7 CGPA
Senior Secondary (CBSE)	2021-2022
<i>R.R.K Senior Secondary School</i>	95.2%

WORK EXPERIENCE

Celebal Technologies, Frontend Intern	June 2025 - August 2025
<ul style="list-style-type: none">Architected a full CRUD (Create, Read, Update, Delete) application using React.js, enabling users to create accounts, post questions, and manage their content.Developed a secure user authentication system for account creation and login via email, ensuring that only authenticated users could contribute content.Constructed modular and reusable React components for UI elements like forms, posts, and comment sections, which accelerated development time by 25%.	

TECHNICAL PROJECTS

CrypTalk — <i>Node.js, Express.js, React.js, Socket.IO, WebRTC, STUN, bcrypto</i>	Github Site Link
<ul style="list-style-type: none">Architected a full-stack, real-time video conferencing and chat application, engineering a secure, low-latency platform for multi-party peer-to-peer (P2P) communication.Integrated WebRTC to establish high-performance P2P connections for multi-party video conferencing and screen sharing, minimizing server load and ensuring high-quality, low-latency media streams via STUN servers.Engineered a real-time bidirectional communication layer using Socket.IO to facilitate WebRTC signaling and a synchronized, multi-user group chat experience with minimal delay.Developed a responsive and intuitive user interface using Material-UI, equipping users with essential in-call controls including mute/unmute, video toggle, screen sharing, and hang-up functionalities.Secured the communication channel by implementing cryptographic handling for signaling data and chat messages with the bcrypto library, ensuring user privacy and data integrity.	
DevGPT — <i>React.js, Redux Toolkit, Node.js, Express, MongoDB, OpenAI API</i>	Github Site Link
<ul style="list-style-type: none">Designed and developed a ChatGPT-like conversational AI platform using the MERN stack (MongoDB, Express.js, React.js, Node.js) integrated with the OpenAI API for intelligent and context-aware responses.Implemented secure authentication and authorization with JWT tokens and role-based access control, ensuring safe user session management.Developed a responsive React frontend with modular components and state management (hooks / Redux) to deliver a seamless real-time chat interface.Built and optimized RESTful APIs for chat handling, conversation history, and user management, leveraging MongoDB schemas for scalable data storage and fast query performance.	

ACHIEVEMENTS

- Solved 500+ problems on Data Structures and Algorithm across various platforms(LeetCode, GeeksForGeeks).
- Achieved 3rd rank among 350+ participants in the DSA contest at Ajay Kumar Garg Engineering College.
- CBSE Class X, XII 95%

TECHNICAL SKILLS

Programming Languages:	C, C++, JavaScript, SQL
Technologies and Frameworks:	React.js, Redux Toolkit, Node.js, Socket.IO, WebRTC, Bootstrap, Tailwind CSS
Databases and Cloud:	MongoDB, MySQL, Vercel, Render
Tools:	MySQL Workbench, Visual Studio Code, GitHub Desktop, Postman
Core CS Subjects:	Object Oriented Programming(C++), DBMS, Computer Networks, Machine Learning, Operating System