

DEEPANSHU SEHRAWAT

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EDUCATION

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

WORK EXPERIENCE

Celebal Technologies, Frontend Intern **June 2025 - August 2025**

- Developed 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 — Node.js, Express.js, React.js, Socket.IO, WebRTC, bcrypt [Github](#) [Site Link](#)

- 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.

DevGPT — React.js, Node.js, Express, MongoDB, Gemini API [Github](#) [Site Link](#)

- Engineered a full-stack, AI-powered code review application leveraging the **Google Gemini API** with a Node.js/Express backend and a React.js frontend to automate bug detection and generate code improvement suggestions.
- Developed a robust RESTful API using Node.js and Express to process code submissions and seamlessly integrate with the Google Gemini API, enabling real-time, intelligent code analysis and providing actionable feedback to users.
- Constructed a dynamic and interactive user interface in React.js, featuring a custom code editor with Prism.js for syntax highlighting, to deliver a streamlined and intuitive platform for code submission and review.

ACHIEVEMENTS

- Solved **300+** problems on various coding platforms.
- 3 Star** at [GeeksForGeeks](#)
- Achieved **3rd rank** among 350+ participants in the DSA contest at Ajay Kumar Garg Engineering College.
- CBSE Class X and XII with **95%+**

TECHNICAL SKILLS

Programming Languages:	C, C++, JavaScript, SQL
Technologies and Frameworks:	React.js, Redux Toolkit, Node.js, Socket.IO, WebRTC, Bootstrap
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 Systems