

# Deepanshu Sehrawat

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[GitHub Link](#) | [Portfolio Link](#) | [LinkedIn Link](#)

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## Education

**Dr. A.P.J Abdul Kalam Technical University**, Lucknow, Uttar Pradesh

*Nov 2022 – May 2026*

B.Tech. in Computer Science (Specialization: Data Science)

Relevant Coursework: Data Structures and Algorithms, Web Technology, Machine Learning, Computer Network, Operating System, Database Management System

**CBSE- Intermediate**

*April 2020 – March 2021*

Science Stream (Physics, Chemistry, Mathematics, Python)

Percentage- 95.2

**CBSE- High School**

*April 2018 – March 2019*

Science Stream

Percentage- 95.8

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## Skills

**Languages & Frameworks** C/C++, JavaScript, React.js, Node.js, Express, Python, Bootstrap

**Cloud Platforms:** Render, Firebase

**Tools:** Git, CI/CD, IntelliJ, VS Code, Postman,

**Databases:** MySQL, MongoDB

**Computer Science Subjects:** Computer Network, DBMS, Object Oriented Programming, Operating System(OS)

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## Professional Experience

**Celebal Technologies**, React.js Intern

*Jun 2025 – Present*

- Developed Advanced Authentication Systems using React.js with secure login/logout flows, JWT token-based session management, and form validation including password strength checks, multi-step login, and role-based access controls.
  - Built Dynamic List Applications enabling CRUD operations, state persistence with localStorage, responsive filtering and sorting, and interactive UI elements using modern React hooks (useState, useEffect, useReducer).
  - Designed and Implemented Interactive Dashboards with component-driven architecture, real-time data visualization (e.g., charts and tables), modular UI layout using Tailwind CSS, and context-aware routing using React Router DOM.
  - Developed Functional E-commerce Platform including product listing, cart and checkout flow, search/filter functionality, and responsive UI. Integrated Redux for global state management and implemented mock APIs with JSON Server.
  - Collaborated via Git/GitHub, following version control standards, issue tracking, and CI/CD workflows for deployment (Vercel).
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## Projects

**CrypTalk – Secure Video & Chat Platform**

 [GitHub](#)  [Live Demo](#)

- **Technology :** Node.js , Express.js , React.js , Material-UI , Socket.IO , WebRTC , STUN , bcrypto
- Engineered a full-stack video calling and chat app using React.js for frontend and Node.js/Express for backend signaling server
- Implemented real-time bidirectional communication with Socket.IO to handle signaling and live chat
- Enabled peer-to-peer audio/video streaming using WebRTC with ICE candidate exchange via STUN servers
- Managed secure communication flows with cryptographic handling via bcrypto library
- Designed clean, responsive interfaces with Material-UI components and built-in user controls (mute, hang-up, video on/off)
- Structured modular architecture to support easy extension (STUN servers, data channels, file sharing)

**Paste App**

 [GitHub](#)  [Live Demo](#)

- Built a lightweight pastebin-style application enabling users to create, view, update, delete, and share text snippets using a unique ID system for each paste.
  - Integrated React Router DOM for seamless navigation between paste creation, viewing, and editing pages, enhancing the single-page application experience.
  - Added unique URL generation for each paste to allow direct sharing and easy access without user authentication.
  - Used custom hooks and modular components to improve code reusability, scalability, and maintainability.
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## Achievements

- GeeksforGeekS(3 ★), CodeChef(2 ★)
- JEE Qualified
- CBSE Intermediate Regional Topper (XII)
- CBSE High School Regional Topper (X)