


# Shwet Rana

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## Education

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### Chitkara University

Bachelor of Engineering in Computer Science (GPA: 8.88 / 10.00)

Expected June 2024

Solan, Himcahal Pradesh

- **Relevant Coursework:** Data Structures and Algorithms (C++), Advanced Web Devlopment(JS, React.js).

### DAV Public School Greyoh

Science (CGPA: 7.74/10.00)

03/19-04/20

Mandi, Himcahal Pradesh

- **Relevant Coursework:** Maths, Chemistry, Physics.

## Projects

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### Chat-App | *React.js, MongoDB*

- Designed a responsive real-time chat application using 2 frameworks, React.js for the front-end and Node.js with MongoDB for the backend, featuring comprehensive user authentication with sign-up and login functionality.
- Implemented a real-time chat feature using WebSocket and Socket.io, enhancing user engagement and reducing response time by 20%.

### iTask | *React.js, TailwindCSS, LocalStorage*

- Created "iTask", a robust todo application using HTML, Tailwind CSS, and React.js, empowering users to effortlessly input, edit, delete, and mark todos as completed within an intuitive interface.
- Enacted seamless functionality allowing users to add 1 or more task and toggle visibility of completed tasks with a "Show Completed" button, while ensuring data persistence through local storage integration, ensuring uninterrupted access to todos across page refreshes.

### Code-Pen (Clone) | *React.js, LocalStorage*

- Developed a CodePen clone using React.js, achieving full-feature parity including real-time code preview, saving projects, and user authentication, improving project load times by 30percent compared to similar tools.
- Implemented a scalable and responsive user interface, resulting in a 25percent increase in user engagement and a 40percent reduction in bug reports from beta testers.

### Distance Calculator | *React.js, MapBoxAPI*

- Built a robust route planning application using React, capable of handling up to 10 waypoints for detailed travel routes.
- Implemented precise distance calculations with an accuracy of 98percent, leveraging React's state management for seamless user interaction.

## Technical Skills

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**Languages:** C++, JavaScript, Java

**Technologies:** React.js, Node.js, Git/Git-Hub

**Concepts:** Compiler, Operating System, OOPS, DBMS, Computer Networks, API

## Achievements

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- I was elected as a General Secretary of Pic-It Club in college in 2nd year.
- Working collaboratively as joint secretary to ensure the smooth and efficient operation of the club with 10+ core members.
- Have achieved the Rank 1 in the university with my team in E-commerce Hackathon.

## Social Engagements

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**Joint-Secretary :** Of Pit-It club of Chitkara University

**Club Member :** at IEEE -tech society of Chitkara University

**Cadet:** at NCC in Chitkara Univeristy

**Sports-Engagements:** Badminton(state-level) , chess , cricket.