

# Rahul Singh

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## Education

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- **NIT Raipur:** B. Tech – Computer Science and Engineering; CPI: 6 (Till 6<sup>th</sup> Sem) 2022-2026
- **Saraswati Shishu Mandir School Ambikapur:** Class 12, CG Board, Percentage: 90.6 2020-2021
- **Saraswati Shishu Mandir School Ambikapur:** Class 10, CG Board, Percentage: 60.6 2018-2019

## Work Experience

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- **Summer Internship at Qveto Technologies** Hyderabad, India  
**SDE Intern ([Certificate](#))** Jun 2025 – Sept 2025  
Developed a secure **news portal web** application with user **authentication (login/logout)** and role-based access, supporting **full CRUD operations** for news posts (**create, read, update, delete**). Implemented an optimized search feature with real-time autocomplete to enhance content discovery, while ensuring scalability, clean code practices, and a modular architecture for **long-term maintainability**.

## Technical Skills

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- **Programming Languages:** C++, JavaScript
- **Frontend:** HTML, CSS, Bootstrap, Tailwind CSS, React.js, Redux Toolkit
- **Backend & Server-Side:** Node.js, Express.js, Spring Boot, RESTful API development, JWT-based authentication
- **Tools & IDEs:** VS Code, Postman, npm
- **Database & Caching:** MySQL, MongoDB
- **Version Control:** Git, GitHub

## Projects

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- **Drawing Canvas – Full-Stack Real-Time Collaborative Drawing Canvas**  
**Tech Stack:** HTML5 Canvas, JS, CSS3, Node.js, Express, Socket.io, npm, Render.com, WebSocket, JSON  
**Live Demo:** [Link](#) | **Code:** [GitHub](#)  
Developed a **real-time collaborative drawing canvas** with live multi-user synchronization.  
Implemented **WebSocket** communication using **Socket** for instant **updates, cursor tracking, and global undo/redo** operations.  
Built custom Canvas drawing tools with **brush, eraser, color selection**, and **multi-room support** using pure JavaScript.  
Deployed the full-stack application on **Render.com** with efficient state management.
- **AI Chatbot – Full-Stack AI Chatbot Web App**  
**Tech Stack:** Next.js, React, Vercel, OpenAI API, Gemini AI.  
**Live Demo:** [Link](#) | **Code:** [GitHub](#)  
Built full-stack AI chatbot using **Next.js, OpenAI**, and **Gemini APIs**.  
Implemented **multi-model AI support** and **real-time streaming** for interactive, ChatGPT-style conversations.  
Deployed responsive application on Vercel.

## Coding Profiles and Stats

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Solved **100+** questions on LeetCode.

Leetcode: <https://leetcode.com/u/Rahul9691/>