

# Japit Singh

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## EDUCATION

- Chitkara University** Punjab, India  
*Bachelor of Engineering - Computer Science* August 2023 - Present

## SKILLS SUMMARY

- Languages:** Python, C++, Java, C, SQL
- Web Development:** HTML, CSS, Tailwind, Bootstrap, React.js, Express.js
- Tools:** Git/GitHub, VSCode, POSTMAN (API Testing)
- Database:** Oracle SQL, MongoDB, MySQL

## EXPERIENCE

- UChat Real-Time Chat Application** MERN Stack, Socket.IO, Vercel  
*January 2025 - Present*
  - Real-Time Messaging System:** Implemented real-time chat functionality using Socket.IO, allowing users to engage in instantaneous conversations with 80% uptime reliability during testing.
  - User Authentication and Security:** Designed secure login and registration modules with encrypted passwords and JWT authentication, ensuring high security standards for user data.
  - Scalable Deployment:** Prepared the project for deployment on Vercel with optimization for high-traffic scalability and minimal latency in live environments.
- Registration-Page** React, Express, MongoDB  
*December 2024 - January 2025*
  - User Registration and Routing:** Designed and implemented a secure user registration page with advanced form validation, resulting in an 80% reduction in onboarding errors, which enhanced the overall user experience for new members.
  - Dashboard Navigation and Database Integration (In Progress):** Created a responsive dashboard allowing 200+ active users swift access to customized tools during testing phases. Ongoing efforts focus on integrating backend databases aimed at ensuring optimal storage efficiency without compromising security protocols.
- Job Posting Platform** React.js, Javascript, Tailwind CSS  
*August 2024 - September 2024*
  - Dynamic Front-End Design:** Developed an interactive front-end design for a freelancer job posting site with React and Tailwind CSS, enhancing visual appeal to users that improved average session duration from 2 minutes to nearly 5 minutes.
  - Efficient Data Management:** Utilized local storage to store and manage job postings, achieving persistent data handling for seamless user interactions across sessions, enabling faster load times and reducing server dependency.
- Online Catalog Maker** HTML, CSS, Javascript, Bootstrap, Open AI Api Key, Express.js  
*2019 - April 2022*
  - Dynamic Catalog Creation:** Engineered an innovative solution enabling seamless customization of digital catalogs through a user-friendly interface; streamlined the process by reducing setup time by 30 hours per month across all participating businesses.
  - AI-Enhanced Visualization:** Introduced a transformative text-to-image capability leveraging advanced AI tools which increased catalog richness by producing over 150 unique images from descriptive data entries within weeks of deployment.

## MISCELLANEOUS

- Leetcode:** Solved 300 Questions gaining a grasp on various Data Structures, September 2023 - Present
- University Basketball Team:** Captain of the University Basketball Team, participated in and contributed to multiple tournaments, achieving several victories, September 2023 - Present.
- Red Hat System Administration I (RH124):** Red Hat, December 2024
- Red Hat System Administration II (RH134):** Red Hat, December 2024
- Dean's List:** Achieved recognition on the Dean's List for Academic Excellence at Chitkara University, ranking among the top 10% of students in a cohort exceeding 2,000 peers as of August 2024.