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 200 Questions gaining a grasp on various Data Structures, September 2023 - Present
- **University Basketball Team**: Active member, 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.