Rahul Singh

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EDUCATION

- **National Institute of Technology, Raipur** *2021 - 25*
  B.Tech in Metallurgical and Materials Engineering

EXPERIENCE

- **SDE Intern** *Remote*
  Coachify May 2024 - June 2024
  - Developed a comprehensive task scheduler and fee management system using the MERN stack and Redux, achieving responsive interfaces for student and admin users.
  - Improved system performance by leveraging real-time data handling and state management techniques, leading to increased operational efficiency within Coachify.
  - Tech Stacks- ReactJS, ExpressJS, NodeJs, MongoDB, Redux
- **Full Stack Development Intern** *Remote*
  Cuvette May 2023 - July 2023
  - Developed and deployed full-stack applications utilizing the MERN stack, including MongoDB, ExpressJs, ReactJs, and NodeJs, ensuring seamless integration between front-end and back-end.
  - Acquired hands-on experience in web application testing and deployment, enhancing the reliability and performance of deliverables.
  - Implemented advanced authentication protocols using OAuth 2.0, enhancing user security and reducing unauthorized access by 30%.

PERSONAL PROJECTS

- **TalentHub - Virtual Hiring Platform** *Code*
  A Platform for conducting virtual interviews, coding challenges, and assessments.
  - Seamless live interview platform with audio-video chat, built-in code editor, and screen sharing capabilities, enabling real-time assessment of candidates.
  - Developed an advanced resume parser using natural language processing (NLP) algorithms, boosting data extraction accuracy by 25%.
  - Technology Used: React, NodeJS, MongoDB, Sockets, WebRTC.
- **CodeLive - Collaborative code Editor Website** *Code*
  A react-based web application that allows users to code collaboratively in real time
  - Designed and implemented a real-time collaborative code editing functionality using WebSockets and Node.js.
  - Integrated WebRTC and PeerJS for direct peer-to-peer connections, enabling seamless real-time collaboration.
  - Technology Used: React, NodeJS, PeerJs, MongoDB.
- **MusiCart** *Code*
  E-commerce site for audio devices
  - Developed a full stack e-commerce site for audio devices with a ReactJS front end and NodeJS/Express backend.
  - Created a Admin Panel using React.js, significantly improving management capabilities for the admin team.
  - Set up CI/CD pipelines using Jenkins for MusicCart, reducing deployment time by 50% and ensuring seamless updates across all environments.
  - Technology Used : React, NodeJs, MongoDB, Jenkins.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: React, Node.js, Flask, Material-UI, RestAPI
Developer Tools: Git, Github, Docker, Google Cloud Platform, VS Code, Jenkins, AWS
Libraries: pandas, NumPy, Sklearn
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

ACHIEVEMENTS

- **1600+** Problem Solved on Coding platforms like Leetcode, GFG, Codestudio. *OpenGiG*
- **4 Star** (1843) rated at Codechef *Codechef*
- **Specialist** (1461) rated at Codeforces *Codeforces*
- **1243** Rank in Google KickStart 2022 G Round *KickStart 2022*