

# Rahul Singh

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## Education

### National Institute of Technology, Raipur

Nov 2021 – May 2025

CPI: 7.14/10

B.Tech. in Metallurgical and Materials Engineering

**Relevant Coursework :** Object Oriented Programming, Discrete Maths, Data Structures and Algorithms, Computer Networks, Machine Learning, Digital System Design, Neural Networks

## Work Experience

### Joomla!

June 2025 - Sept 2025

#### OpenSource Contributor - Joomla Academy

- Built an Advanced migration Tool with a Component-plugin based architecture, enabling data migration from other CMS platforms into Joomla!
- Implemented a framework-agnostic design that automates migration workflows to reduce manual effort, simplify transitions, and increase adoption of Joomla by users migrating from other CMS platforms.
- The tool is expected to be used by over 20,000 websites for migrating into Joomla.
- Technical Skills: PHP, MySQL, REST APIs, Apache, Joomla, Software Architecture, Workflow Automation

### Coachify

May 2024 - July 2024

#### Software Development Engineer Intern

- Developed a CRM platform with a task scheduler and fee management system that provides complete student lifecycle management, handling enrollment, batch management, and dynamic scheduling.
- Implemented a secure authentication system allowing faculty members to log in, create, and manage classes, while students could log in to view their class schedules, store notes, and receive reminders for missed sessions.
- Technical Skills: React.js, Node.js, Express.js, MongoDB, JavaScript, REST APIs, Vercel, Redux

## Project Work

### TalentHub - Virtual Hiring Platform

Code

- 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%.
- Tech Stack: React, NodeJS, MongoDB, Sockets, WebRTC, Python, REST API.

### CodeLive - Collaborative Code Editor Website

Code

- 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.
- Tech Stack: React, NodeJS, PeerJs, WebRTC

### MusiCart

Code

- Developed a full stack e-commerce site for audio devices with a ReactJS frontend and NodeJS/Express backend.
- Created an 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.
- Tech Stack: React, NodeJS, MongoDB, Jenkins.

## Skills

**Languages:** Python, C++, JavaScript, TypeScript, SQL (Postgres, MySQL), HTML/CSS

**Frameworks:** React, Angular, NodeJS, Express, Flask, Material-UI, REST API, GraphQL

**Developer Tools:** Git, Github, Docker, Kubernetes, AWS (EC2, S3), GCP(Firebase, App Engine), Jenkins, CI/CD pipelines

**Libraries:** Pandas, NumPy, Sklearn, Keras, TensorFlow, Matplotlib, Seaborn, Plotly

**Soft Skills:** Problem Solving, Adaptability, Self-learning, Time Management, Communication, Teamwork, Presentation

## Achievements

- **1600+ Problems solved:** on coding platforms like LeetCode, GFG, Codestudio
- **1243 Rank** in Google Kickstart 2022 G Round
- **Candidate Master (2002)** rated at Codeforces
- **4 Star (1976)** rated at CodeChef
- **Guardian (2347)** in Leetcode

OpenGiG

KickStart 2022

Codeforces

CodeChef

LeetCode