

Rohit Kumar

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Summary

- Backend engineer — built a Judge0 execution pipeline with async polling and XP system
- Engineered real-time features (1v1 duels, clan chat, leaderboards) using WebSockets and event-driven architecture
- Designed secure backends with JWT auth (cookie + bearer), RBAC middleware, and clean REST APIs for frontend integration
- Product-oriented — leading end-to-end development of Nexus and TeamTrack with SaaS-focused architecture
- Solved 100+ DSA problems on LeetCode, with strong grounding in core patterns and algorithmic problem-solving

Education

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| Siksha 'O' Anusandhan , B.Tech in Computer Science and Information Technology | 2023 – Present |
| • GPA: 7.4/10 | |
| • Coursework: Operating System, OOPS, Computer Networks | |
| Holy Cross School, Bokaro – Intermediate (Class XII) | 2021 – 2022 |
| • 79.33% | |
| Holy Cross School, Bokaro – Matriculation (Class X) | 2020 |
| • 85.17% | |

Technical Skills

- **Backend:** Node.js, Express, REST APIs, WebSockets (Socket.io), JWT Authentication
- **Frontend:** ReactJS, TailwindCSS, JavaScript
- **Database:** MongoDB (schema design, CRUD operations), MySQL
- **Languages:** Java, C++
- **Tools:** Git, GitHub, Postman
- **Core CS:** Operating Systems, OOPS, DBMS, Computer Networks

Freelance Experience

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| AI Model Trainer (Freelance) , Outlier | Aug 2024 – Jul 2025 |
| • Evaluated and improved LLM outputs across STEM, non-STEM, and coding domains | |
| • Applied RLHF-based evaluation for accuracy, relevance, and alignment | |
| Subject Q&A Expert (Freelance) , Chegg Inc. | Apr 2023 – Sep 2024 |
| • Solved mathematics queries for international students with high accuracy | |
| • Maintained quality control score of 4.0+/5 | |
| UserTesting Contributor (Freelance) , UserTesting | Oct 2023 – Jul 2024 |
| • Completed 150+ usability evaluations across web and mobile platforms | |
| • Delivered actionable UX insights with consistent 5-star ratings | |

Achievements

- Winner of **SOA Ideathon – Road to Smart India Hackathon 2025**
- Participant, **Guidewire DEVTrails University Hackathon 2026**
- Participant, **Techgium L&T Hackathon 2025**

Projects

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|---|---------------------|
| Code Quest (Nexus) – Gamified Coding Platform (Team) | Jan 2026 – Present |
| • Built real-time 1v1 matchmaking and duel system using WebSockets | |
| • Designed secure XP/level system with exploit prevention and Judge0 async execution pipeline | |
| • Stack: Node.js, Express, MongoDB, Socket.io | |
| TeamTrack – Task Management System (Solo) | Apr 2026 – Present |
| • Implemented RBAC (Admin/Member) with REST APIs for task and group workflows | |
| • Built real-time updates and chat with secure JWT + bcrypt authentication | |
| • Stack: Node.js, Express, MongoDB, React, Socket.io | |
| Jharkhand Tourism Website – Full-Stack App (Team) | Sep 2025 – Oct 2025 |
| • Developed responsive frontend and integrated APIs for dynamic content delivery | |
| • Selected as winning project in SOA Ideathon (SIH 2025 track) | |
| • Stack: React, TailwindCSS, Node.js, Express | |

Hobbies

- Outdoor Sports – regularly play football and cricket
- Fitness – strength training and gym routine
- Geopolitics – follow global political and economic trends