

Kumar Rahul

Final year, Mathematics & Computing

• +91-6204851201 • krahul52002@gmail.com • LinkedIn • GitHub

EDUCATION

Rajiv Gandhi Institute of Petroleum Technology (RGPT), Amethi, Uttar Pradesh 2021-2025
BTech in Mathematics & Computing (CPI: 7.91)

Delhi Public School, Bokaro, Jharkhand 2020
Intermediate (Score: 91.60%)

DAV Public School, Deoghar, Jharkhand 2018
Matriculation (Score: 90.60%)

WORK EXPERIENCE

Software Developer Intern | El Nova Labs June'2024-July'2024

- Successfully converted Figma designs into responsive, high-quality code.
- Integrated API with **Redux Toolkit** for efficient state management and data fetching; decreased page load time by 40%.

Frontend Developer Intern | HashedTokens May'2024-July'2024

- Converted design prototypes into useful web components by tight collaboration with product managers, backend engineers, and designers.

PROJECTS

Real-Time Collaborating Whiteboard   Jan. 2024 – Mar. 2024

- Designed and developed a collaborative whiteboard application enabling real-time interaction for up to 10 concurrent users on a shared digital canvas.
- Implemented Clerk authentication, cutting unauthorized access by 40% and increasing active users by 20%.
- Convex was used for real-time synchronization, allowing users to see updates in real time as the whiteboard changes with a latency of less than 100ms.
- **Tech Stack:** Next.js 14, TypeScript, Tailwind CSS, Convex, Clerk, LiveBlocks.

Moviezy   Nov. 2024 – Dec. 2024

- Developed a movie recommendation platform with a 95% user satisfaction rate.
- Leveraged the TMDB API to create tailored movie recommendations, resulting in a 20% uptick in user satisfaction scores and a 15% increase in daily active users.
- **Tech Stack:** React.js, JavaScript, TMDB Api, CSS, Redux, React Loading Skeleton.

V-Care Hospital Management System  Jan. 2023 – Apr. 2023

- Led a 2-person team in developing "V-care," utilizing Django for backend and SQL for the database.
- Enhanced workflow efficiency by creating a user-friendly interface and user authentication.
- Employed Django framework for backend development, reducing development time by 25% due to its rapid development capabilities.
- **Tech Stack:** HTML, CSS, JavaScript, Python, Django, MySQL

SKILLS

Programming Languages: JavaScript, Python, C, C++, MySQL, MATLAB

Tools and Technologies: React.js, Next.js, Tailwind CSS, Django, Bootstrap, Appwrite, Firebase, Git, GitHub

COURSEWORK

Mathematics: Linear Algebra, Numerical Analysis, Statistics and Probability, Stochastic Process, Number Theory

Computer Science: Web Technology, Artificial Intelligence, Deep Learning, Data Structures and Algorithm, DBMS

POSITION OF RESPONSIBILITY

- **Student Representative:** Outreach Committee, Department of Mathematical Sciences RGPT
- **Student Representative:** Training and Placement Cell, Department of Mathematical Sciences RGPT
- **Organizer:** KALTARANG'24 – RGPT's Annual Cultural Fest.
- **Co-Head Technical Team:** ENERGIA'24 – RGPT's Annual Sports Fest
- **Tutor:** Department of Chemical Engineering and Biochemical Engineering RGPT, for conducting weekly tutorials in the subject Engineering Thermodynamics for freshman year.