KUMAR RAHUL

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Education

Rajiv Gandhi Institute of Petroleum Technology, Amethi, Uttar Pradesh	**2021 - Present**
B.Tech in **Mathematics and Computing**	*CGPA: 7.91*
Delhi Public School, Bokaro, Jharkhand	**2020**
Intermediate (CBSE)	*91.6%*
DAV Public School, Deoghar, Jharkhand	**2018**
Matriculation (CBSE)	*90.6%*

Experience

HashedTokens — **May 2024 - Sept 2024**
Full Stack Developer Intern — *Remote*
- Converted design prototypes into useful web components by tight collaboration with product managers, backend engineers, and designers.
- Integrated APIs into the frontend using **Redux Toolkit** for efficient **state management**.
- Utilized **Docker** for consistent development environments, simplifying application testing across different machines.
- **Tech Stack** - React JS, JavaScript, Material UI, Google Map Api, Tailwind CSS, Gitlab, Docker.

El Nova Labs — **June 2024 - Aug 2024**
Software Developer Intern — *Remote*
- Successfully transformed Figma designs into responsive, high-quality code and integrated **APIs** with Redux Toolkit to optimize state management, leading to a 40% reduction in page load time.
- Ensured code quality by conducting unit testing and using **TypeScript** to reduce runtime errors, resulting in more robust applications.
- **Tech Stack** - React JS, TypeScript, Redux Toolkit, React Hook Forms, Fluent UI Tailwind CSS, Azure Devops.

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%.
- **Tech Stack** - Next.js, Typescript, Shadcn UI, Clerk Auth, Convex, Tailwind CSS, Liveblocks.

Contact Management System - Backend | ⌘ — **November 2023**
- Created RESTful APIs to connect the frontend and backend, making data transfer faster and easier, improving efficiency by 30%.
- Implemented user login and signup with JWT-based authentication, ensuring only authorized users could access or modify data.
- **Tech Stack** - Node.js, Express.js, MongoDB, JWT, RESTful APIs, bcrypt.

V-Care Hospital Management System | ⌘ — **Jan 2023 - May 2023**
- 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

Technical Skills

Languages: Python, C, C++, HTML/CSS, JavaScript, Java, MySQL, MATLAB
Web Development: React.js, Next.js, Tailwind CSS, Django, Bootstrap, Node.js, MongoDB
Tools and Technologies: Git, GitHub, Azure, Docker, Gitlab, Firebase

Position of Responsibility

Student Representative | Training and Placement Cell, Department of Mathematical Sciences
Organizer | KALTARANG'24 - Annual Cultural Fest
Student Representative | Outreach Committee, Department of Mathematical Sciences
Technical Co-Head | ENERGIA'24 – Annual Sports Fest

Extracurricular Activities

Tutor at the Department of Chemical Engineering and Biochemical Engineering, RGIPT, responsible for conducting weekly tutorials in Engineering Thermodynamics for first-year students.
Teaching Volunteer, mentored students as part of the Gyanarpan program at RGIPT.
Community Internship engaged with rural communities to understand and address their concerns and needs.