

Rishabh Sharma

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EDUCATION

National Institute of Technology(NIT), Durgapur

Bachelor of Biotechnology

Durgapur, West Bengal

Nov. 2022 – June 2026

EXPERIENCE

Web Developer — Enteract Club

National Institute of Technology

August 2024 – Present

Durgapur, WB

- Collaborated with a team of developers to architect and maintain the official website of Enteract, the premier dramatics club of NIT Durgapur, amplifying its digital presence and engagement.
- Engineered a highly responsive and dynamic UI leveraging React.js and Tailwind CSS, ensuring an intuitive and immersive user experience.

Undergraduate Research Assistant

Bioinformatics Lab

January 2025 – Present

NIT Durgapur

- Under the guidance of Prof. Amita Barik, working on computational approaches to analyze and manage large-scale biological datasets.
- Engaging in genomic data processing, sequence alignment, and biological database design, applying DBMS principles to optimize data storage and retrieval.
- Utilizing SQL, NoSQL, and cloud-based storage solutions to enhance the efficiency of bioinformatics research and data-driven decision-making.

PROJECTS

Spotify Clone

Nov 2024 - Dec 2024

- Engineered a feature-rich Spotify clone utilizing HTML, CSS, and JavaScript, replicating core functionalities such as music playback, playlist management, and an interactive UI.
- Designed a fully responsive and aesthetically refined interface, ensuring seamless adaptability across various screen sizes and devices.
- Integrated JavaScript-driven dynamic interactions, including real-time audio controls, progress tracking, and volume adjustments, enhancing user engagement.

Personal Portfolio

Feb 2025

- Architected a sophisticated, fully responsive personal portfolio leveraging ReactJS, Tailwind CSS, JavaScript, and Vite, meticulously curating an immersive showcase of projects, technical proficiencies, and professional trajectory.
- Engineered an aesthetically refined and intuitively navigable UI/UX, ensuring seamless cross-device compatibility and an engaging user experience.
- Optimized performance through modular component architecture, efficient state management (React Hooks), and strategic lazy loading, significantly enhancing load times and responsiveness.
- Orchestrated seamless deployment via GitHub and Vercel, integrating an automated CI/CD pipeline to facilitate continuous updates and scalability.

TECHNICAL SKILLS

Languages: C/C++, SQL (Postgres), JavaScript, HTML/CSS, Typescript

Frameworks: React, TailwindCSS, Node.js

Developer Tools: Git, Docker, VS Code, Visual Studio, Github

Libraries: framer-motion, react-icons, react-router-dom, daisyui