Rahul Singh

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github | linkedin

EDUCATION

Bachelor of Technology – Computer Science   **Sep 2022 – Jun 2026**
Asansol Engineering College, Asansol   *CGPA: 8.00*
All India Senior School Certificate Examination - CBSE   **Apr 2019 – Apr 2021**
India International School, Asansol   *Percentage: 77 %*
All India Secondary School Examination - CBSE   **Apr 2017 – Apr 2019**
India International School, Asansol   *Percentage: 87 %*

SKILLS

Languages	JavaScript | TypeScript | C | C++ | HTML | CSS
Frameworks & Tools	React.js | Node.js | Tailwind CSS | Git | GitHub | Postman | Express.js
Database	MongoDB | Mongoose | SQL

NOTABLE PROJECTS

Shopify — E-Commerce Website   2023

Live: e-commerce-1-yiy2.onrender.com
- Engineered a secure authentication system with JWT, user roles, and protected routes, using middleware, session caching, and MongoDB indexing.
- Developed core e-commerce functionalities including product browsing, cart management, seamless PayPal payment integration, and user review systems for an enhanced shopping experience.
- Implemented a comprehensive admin dashboard with CRUD operations for product management and order tracking, showcasing full-stack proficiency across user and admin roles.

Tech Stack: React,Redux,Node.js, Express.js, MongoDB, JWT, Tailwind CSS, Render

Social Connect — Full-Stack Social Media Platform   2025

Live: social-network-psi-pearl.vercel.app
- Developed a feature-rich social networking platform with user authentication, profiles, posts, likes, friend management, and real-time interactions using Next.js and PostgreSQL.
- Designed a custom graph-based algorithm for intelligent friend suggestions, utilizing data structures and algorithms to enhance user connections and platform engagement.
- Implemented a modern, responsive UI with Tailwind CSS and shadcn/ui, ensuring an intuitive and seamless user experience across various devices.

Tech Stack: Nextjs, Neon DB, Prisma, Vercel, Tailwind CSS

Codrr — AI-Powered Code Generator & Debugger   2024

Live: ai-code-evqo.onrender.com
- Developed an AI-powered web application that converts wireframe images into fully functional React components, supporting multiple AI models and providing instant UI previews.
- Implemented secure user authentication via Google and a design history feature, allowing users to access and reuse their generated designs across sessions.
- Designed a rate limit system with 20 free credits per user, automatically reset monthly via GitHub Actions, ensuring fair usage and optimal server performance.

Tech Stack: Next.js, Tailwind CSS, OpenRouterAI API,Prisma, Neon DB, GitHub Actions, Render

SkyCast — Real-Time Weather Forecast App   2023

Live: rahulatoz365-del.github.io/Weather-app
- Built a weather forecast app with real-time location and city-based weather insights.
- Integrated OpenWeatherMap API for real-time data on temperature, wind speed, and humidity.
- Improved responsiveness and UX by 30% through lazy loading and optimized DOM handling.

Tech Stack: HTML, CSS, JavaScript, OpenWeatherMap API

ACHIEVEMENTS & EXTRA-CURRICULAR

- Solved 350+ DSA problems on LeetCode, strengthening problem-solving and algorithmic thinking.
- **Multilingual**: Fluent in English, Hindi, and Bengali.