Harsh Rana

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Portfolio   GeeksForGeeks
GitHub   CodeStudio
LeetCode   Linkedin

Education

Graphic Era Deemed to be University Dehradun, Uttarakhand, India   June/2021 – July/2025
B.Tech. - Computer Science and Engineering   CGPA: 7.24

St.Mary's Convent Sr. Sec. School Gajraula, Uttar Pradesh, India   April/2021
P.C.M. - Intermediate   Percentage: 76%

St.Mary's Convent Sr. Sec. School Gajraula, Uttar Pradesh, India   April/2019
High School Percentage: 78.6%

Work Experience

EduChanger Solutions | Full-Stack Web Developer Intern (Remote)
Noida, Uttar Pradesh, India | July/2024 – October/2024

- Built full-stack web applications using **React, Node.js, Express.js,** and **MongoDB**, delivering scalable solutions and collaborating with team members on project requirements.
- Engineered **single-page applications** (SPAs) with **React** and **Redux**, optimizing performance and coordinating with designers and backend developers for smooth integration.
- Gained hands-on experience in **production-level code**, adhering to best practices and communicating technical challenges and solutions effectively within the team.

Skills

JavaScript · C++ · Java · Python · HTML · CSS · Tailwind · React · Node.js · Express · Computer Networking
vsCode · Postman · GitHub · Git · Database · MySQL · MongoDB

Projects

SyncSheet | Link   *JavaScript, M.E.R.N., Redux, Socket.io, React Query, Framer Motion, JWT*

1. Developed a **MERN-based** collaboration platform featuring real-time document editing with **WebSocket** support via **Socket.IO**, pop-up notifications for updates and permissions, and secure **OAuth authentication** with role-based access control, optimized for cross-device use.
2. Enhanced the platform with an **AI-powered chatbot** to assist users with writing, answer questions, and provide contextual suggestions, improving document creation and collaboration.

StreamUp | Link   *JavaScript, M.E.R.N., Redux, Cloudinary, Framer Motion, JWT*

1. Built a scalable backend for a video streaming platform with the help of **MERN stack** and **Cloudinary** for video storage, transcoding, and delivery, ensuring efficient performance across devices.
2. Implemented secure authentication with **bcrypt** and **JWT**, and developed RESTful APIs for video uploads, adaptive streaming, and user interactions like likes, comments, and history tracking.

Blogi | Link   *JavaScript, React, Tailwind, Appwrite*

1. Created a blogging platform using **React** and **Redux** for state management, integrating **Appwrite** as the backend to handle user authentication, data storage, and API requests.
2. Implemented **TinyMCE** for rich text editing and used **React Forms** for efficient form handling, focusing on a seamless, intuitive user experience with clean, production-level code.

WonderLust | Link   *JavaScript, Node.js, Express, MongoDB, EJS*

1. Developed a property listing website using **Node.js** and **Express** for the backend, **MongoDB** for data storage, and **EJS** for **interactive** content rendering. Integrated **Passport.js** for secure authentication and **Cloudinary** for efficient image management.

Portfolio Website | Link   *JavaScript, React, CSS*

Certifications and Achievements

- Certificate of Excellence in DSA (Java) | Link
- Full Stack Web Development (M.E.R.N.) | Link
- Cisco Networking Basics | Link
- Solved more than 620+ DSA questions on CodeStudio, LeetCode and Geeks For Geeks