

RAHUL KUMAR

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Education

Indian Institute Of Information Technology, Surat

B.Tech in Electronics and Communication Engineering (7.5/10 CGPA till 6th semester)

Gujarat, India

Dec 2021 – Jun 2025

Projects

Netflix-GPT | *React, Redux Toolkit, Firebase, OpenAI*

[Source Code](#)

- Developed a Netflix UI clone using React, integrating **Firestore v9 authentication** for secure user access.
- Implemented **AI-driven movie suggestions** with **OpenAI API**, enhancing user experience and engagement.
- Fetched movie data from **TMDB API** for an extensive catalog of **over 1 million movies**.
- Integrated **multi-language support**, enhancing global accessibility for **3 different languages**.
- Optimized performance, through data memoization, reducing unnecessary network calls by **50%**.

TicketTwist | *React, Express, MongoDB, Node, Stripe*

[Source Code](#)

- Developed a **full-stack web application**, for real-time movie ticket booking using the **MERN stack**.
- Implemented **JWT authentication** and role-based access for **3 user types**: Users, Admins, and Theatre Owners.
- **Admin Features**: Managed movies and shows, approved theatre additions.
- **Theatre Owner Features**: Added theatres and managed shows with **multiple timeslots**.
- Integrated **Stripe payment gateway** for secure transactions, handling **hundreds of payments**.
- Utilized **Redux and Redux Toolkit** for state management, improving application performance by **30%**.

StayEase (Group Project) | *React, Express, MongoDB, Node*

[Source Code](#)

- Engineered **secure user authentication and authorization** using JSON Web Tokens (JWT), enabling secure registration, login, and management of bookings and accommodations, resulting in a 50% increase in user trust and engagement.
- Leveraged **advanced web development technologies**: Utilized React Router for smooth navigation and Axios for efficient API communication, improving page load times by 20%.
- Collaborated with a team of **3 developers**, ensuring timely project delivery and maintaining high code quality through regular code reviews.

Technical Skills

- **Languages**: C, C++, JavaScript, SQL
- **FrontEnd**: HTML, CSS, React, TailwindCSS
- **Backend and Databases**: Node.js, Express.js, MongoDB, MySQL
- **Developer Tools**: Git, GitHub, Visual Studio, Postman

Competitions/Achievements

- Solved **500+** DSA problems on **LeetCode** with a maximum contest rating of **1590**.
- Ranked **1782 out of 22,282** participants in LeetCode Biweekly Contest 101.
- Solved **350+** DSA problems on **Code360** with a maximum contest rating of **1854**.
- Ranked **36 out of 1,151** participants in Code360 Weekend Contest 66.

Relevant Coursework

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|-----------------------------------|--------------------------------|----------------------|
| 1. Data Structures and Algorithms | 3. Operating Systems | 5. Computer Networks |
| 2. Machine Learning | 4. Object Oriented Programming | |

Course and Certifications

Completed the "Basics of C++ with Data Structures and Algorithms" course by Coding Ninjas, earning a **Certificate of Excellence** for outstanding performance.