

Education

Year	Degree/Certificate	Institute	CPI/%
2020 - 2024	B.Tech (Materials Engineering)	Indian Institute of Technology, Jodhpur	7.65/10

Experience

- Software Developer


Sign Desk

(June'24 - Present)

– Developed optimized APIs using **Node.Js** for user hierarchy, improving data insertion and retrieval by pre-storing structures.

– Managed large MongoDB datasets (1000+ users) using adjacency lists and recursion for scalable, fast retrieval.


– Achieved a 30% performance boost in hierarchical data creation through effective use of indexing and optimized data structure design.
- Software Developer

NOCIW 

(May'23- Aug'23)

– Developed a **React Native** complete admin application with many features, resulting in a 20% increase in user engagement.



– Integrated **Amazon S3** for image storage, including a dedicated API endpoint, streamlining image handling. reducing image loading times by 30% and saving 10% on storage costs.
- Software Developer

Sopra Steria 

(June'23- Aug'23)

– Constructed a full-stack web application using React, resulting in a 25% reduction in page load times and a 40% increase in user satisfaction. Leveraged **ReactJS, Firebase, Google Places API, and Geolocation API**

Key Projects

- Chat & SELL 


(Aug'24)

– Developed a full-stack online marketplace application using the MEAN stack, incorporating real-time chat via Socket.io.

– Enabled users to buy and sell products, with features like product listings, user authentication, wishlist functionality, and dynamic search.

– Integrated image uploads with Multer, password encryption/decryption, and a Node cron job that automatically expires ads older than 30 days.

– Added a feature for sellers to sponsor their ads, ensuring they appear at the top of listings.

– Tech-Stack: **MEAN Stack (MongoDB, Express.js, Angular, Node.js), Socket.io, Multer, JWT**
- Online Assessment Platform 

(June'24)

– Developed a comprehensive full-stack web application using Angular, Node.js, Express, and MongoDB, featuring secure, role-based access for admins, faculty, and trainees.

– Implemented secure, role-based login functionality for admins, faculty, and trainees, ensuring proper access control.


– Created user dashboards, cart functionalities, attendance tracking for tests, and **CRUD operations** for users, assessments, courses, and course categories, with additional informational pages like Contact Us and About Us.

– Tech-Stack: **Angular, Node.js, Express, MongoDB**

Technical Skills

- Programming Languages: C, C++, Java, Python
- Frontend: HTML, CSS, JavaScript, Angular, ReactJs, React Native
- Backend: NodeJs, Express, Django, Rest APIs
- Database: MySQL, SQL, MongoDB, AWS
- Tools and Technologies: Data Structures and Algorithm, Machine Learning, Git/GitHub, Firebase

Achievements and Competitions

- Achieved a 3-star coder status on Codechef, reflecting problem-solving aptitude and dedication.
- Attained a remarkable global ranking of 71/58/18 in Codechef Long Challenge (November 22, December 22, January 23), showcasing consistent problem-solving skills and competitive spirit.
- Youth Conclave Hackathon: 
- Contributed as Team Leader to the development of an Alexa-like device that narrates toy stories.

Managed speech recognition and implemented story summary generation, highlighting effective leadership, teamwork, problem-solving, and communication skills.