

HRICHA SHARMA

Mandsaur, Madhya Pradesh, India

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Education

Medicaps University

Bachelor of Technology in Computer Science Engineering (CGPA of 8.5)

August 2022 - June 2026

Indore, India

Carmel Convent School

12th board 89 percent

2022

Manasa, India

St. Alphonsa Convent School

10th board 82 percent

2020

Shamgarh, India

Work Experience

IQ Paths Technologies

Software Development Engineer Intern

August 2024 - May 2025

Indore, India

- Devised a **full-stack course-selling platform** handling **1,000+** users, integrating **Razorpay** for secure payments and optimizing backend performance with **MongoDB aggregation pipelines**.
- Engineered a platform, leveraging **Context API** and **React Router**, leading to a **30% increase** in user engagement.
- Constructed a secure backend with **Node.js** and **Express**, using **JWT** for authentication, **bcrypt** for password hashing, cookie-parser for session management, and **MongoDB aggregation pipelines** for optimized data retrieval by 25%.
- Spearheaded the integration of **ECharts** into the data analysis platform, implementing custom configurations that enhanced real-time **graph** interactivity, improving user engagement metrics by **40%** across analytics teams.
- Architected a scalable **RESTful API** framework, improving integration speed for third-party applications and facilitating the addition of **3 new partner** integrations within the first quarter of deployment

Technical Projects

Blog | *React, React Router, Redux Toolkit, Tailwind CSS, Appwrite* | [Link](#)

- Built a highly responsive, full-stack blog platform using **React** and **Tailwind CSS**, achieving a **90+** Google Lighthouse performance score and ensuring seamless UX across **100+** test devices.
- Deployed **Appwrite** for secure authentication of **200+ test users**, managing real-time databases with **500+** blog posts and enabling scalable, secure media storage handling 300+ images.
- Enhanced content accessibility by integrating **TinyURL**, generating over 250+ shortened links, and curated rich, multimedia posts featuring 50+ tourist destinations across India.

Movie-Ticket-Booking Website | *HTML, CSS, Javascript* | [Link](#)

- Developed a **real-time** movie ticket booking platform, cutting booking time by **35%** and enhancing user experience.
- Implemented interactive trailers and a **live** seat selection system, boosting user engagement by **40%**.
- Automated ticket** generation, ensuring **100%** instant booking access and eliminating manual errors.

Achievements

- Achieved a **LeetCode Contest Rating of 1767**, ranked in the **top 8.95% globally**.
- Solved **630+** problems on LeetCode across all difficulty levels, showcasing algorithmic expertise.
- Practiced by solving **700+** problems across platforms, strengthening core concepts in algorithms and data structures.
- Secured **All India Rank 757** and **1182** in **CodeChef Starter 108** and **107**, among **20k+** participants.
- Recognized as a **National Semi-Finalist** in **Flipkart Grid 7.0 (2025)**, among top participants across India.

Profile Links

- [Leetcode](#)
- [Github](#)
- [Codechef](#)
- [Codeforces](#)
- [GeeksforGeeks](#)

Technical Skills

- Languages:** C, C++, JavaScript/ES6, TypeScript, Python, Java, HTML5, CSS3
- Frameworks:** Node.js, Express.js, React.js (Redux Toolkit, React Router, React Hook Form), Next.js
- Libraries Tools:** Axios, Tailwind CSS, Git (GitHub), Docker, Postman, WebSocket, AWS (EC2, S3)
- Databases ORMs:** MongoDB (Mongoose), PostgreSQL (Prisma), Vector Databases

Course Work

Core Subjects: Data Structures and Algorithms, Operating System, Computer Networks, Database Management Systems, Object-Oriented Programming

Additional Subjects: Introduction to C/C++, Discrete Mathematics, Programming Languages (Java, Python), Theory of Computation, Agile Development.