

Rachit Jain

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Education

Indian Institute of Information Technology, Una

Bachelor of Technology in Electronics and Communication Engineering

November 2022 – May 2026

Una, Himachal Pradesh

Technical Skills

Programming Languages: C++, JavaScript, Python.

Core Skills: Object-Oriented Design, Data Structures, Algorithms, Complexity Analysis, Operating Systems, DBMS.

Web Development: HTML, CSS, Tailwind CSS, Node.js, Express.js, Redux, MongoDB, PostgreSQL, SQL, TypeScript.

Frameworks and Libraries: React.js, Socket.IO.

Tools and Platforms: Docker.

Experience

EY (Ernst & Young) | Software Development & Testing Intern

May 2025 – July 2025

- Architected a natural language interface to EY's policy documents using Azure OpenAI, enabling comprehensive data extraction and analysis, and generating three critical insights that improved policy clarity.
- Engineered backend APIs with secure prompt processing and integrated role-based access control, reducing document lookup time by 60%.

AP Health and Wellness Pvt. Ltd. | Full Stack Developer Intern

October 2024 – December 2024

- Built a full-stack e-commerce web app Country Nutrition at AP Health and Wellness Pvt. Ltd., adding product listings, authentication, and order management to serve **1000+ users/month**.
- Architected a modular and scalable web application using the MERN stack, deployed via AWS S3/EC2, resulting in 40% faster page load times as measured by Google Lighthouse.
- Revamped MERN stack architecture, reducing page load times by 30% and boosting scalability.

Projects

Sethi Hospital Website (Freelance – Jaipur) | MongoDB, Express.js, React.js, Node.js, TypeScript

Live

- Built a full-stack hospital website with panel of 4 doctors, Content Management System (CMS), Cloudinary image uploads, and online appointment scheduling.
- Optimized backend–frontend integration (70% fewer discrepancies) and scaled system to support **50+ daily users** with zero downtime.

AR Dressing Room | MongoDB, Express.js, React.js, Node.js, OpenCV, MediaPipe

GitHub | Live

- Engineered a real-time virtual try-on feature using MediaPipe pose estimation and OpenCV image processing, creating an immersive virtual dressing room.
- Pioneered front-end optimization using React, enhancing user experience and driving a **40% increase** in feature engagement.

Official Institute Website (IIIT Una) | MongoDB, Express.js, React.js, Node.js, CSS, RESTful APIs

Live

- Collaborated in a 10-person team** to develop the **IIIT Una website** with a React frontend and CMS, increasing student applications by 15% through improved accessibility and user experience.
- Optimized frontend with modular components, accelerating page rendering by 30% and enhancing satisfaction for **2,000+ daily users**.

Achievements & Coding Profiles

- Achieved a LeetCode rating of **1663**, ranking in the **top 16% globally** (leetcode.com/speedRun2100/).
- 3-star** Coder on Codechef with a **max rating of 1729** (codechef.com/speedrun2100/).
- Pupil on Codeforces with a **max rating of 1263** (codeforces.com/rachitjainjaipur/).
- Secured 168th rank** in CodeChef Starters 204 among **36,000+ participants**.
- Solved **1000+ coding problems** across platforms (codolio.com/Rachit_2003/).

Leadership & Extracurriculars

Technical Head, Entrepreneurship & Incubation Cell (EIC) – Website October 2023 – September 2025 IIIT Una

- Spearheaded development and management of the official **E-Summit website** (esummit.iiit.ac.in/), guiding a team of 15 members; streamlined event operations and elevated participant experience through user-friendly design.