

Rachit Katyal

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in [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

• Bennett University

Bachelor of Technology in Computer Science and Engineering
◦ CGPA: 8.1

Greater Noida, U.P.

(2022 - 2026)

SKILLS

- **Programming Languages:** C++, Python, Java, JavaScript, TypeScript
- **Web Technologies:** HTML, CSS, Tailwind, React.js, Node.js, Express.js, Next.js, Redux, Shadcn, RESTFUL APIs, React Native, Expo, Lottie Animations
- **Database Systems:** MySQL, PostgreSQL, MongoDB
- **Specialized Area:** MERN Stack
- **Other Tools & Technologies:** Docker, GitOps, Git, GitHub

PROJECTS

• Book Store App: Full-Stack Web Application

Technologies Used: React, Vite, Tailwind CSS, DaisyUI, Node.js, Express.js, Mongoose, bcryptjs, MongoDB.

- Created a full-stack web application for managing and displaying books, using the MERN stack.
- Established a secure user authentication process with sign-up, login, and logout functionalities; implemented rigorous encryption methods that fortified data protection and decreased security breach incidents by 80% over one year.
- Developed a book management system with CRUD operations, integrating a MongoDB database.
- Designed a responsive and user-friendly interface optimized for mobile and desktop, with support for light and dark modes.



• MediLink: Healthcare Management Platform

Technologies Used: React, Redux, Material-UI, Node.js, Express.js, MongoDB, JWT, REST APIs, Mongoose, Axios, Git.

- Developed a comprehensive MERN stack healthcare application enabling seamless patient-doctor interactions.
- Pioneered a comprehensive system featuring real-time appointment scheduling, and medical records management, enhancing overall patient satisfaction scores.
- Reduced appointment scheduling time by 60% through automated booking system.
- Implemented real-time notifications system for appointments and medical updates.



• TripVerse: AI Travel Planner App

Technologies Used: React Native, Expo, Firebase, Google Places API, Google Generative AI, Context API, React Navigation.

- Built an AI-powered travel planner, reducing trip planning time by 70% through automated itinerary generation.
- Integrated Google Sign-In and Firebase authentication, ensuring 100% secure user access.
- Enabled dynamic trip creation with Google Places Autocomplete, improving location selection accuracy by 90%.
- Implemented Firestore for real-time trip data storage, enhancing data retrieval speed by 50%.
- Designed an intuitive UI with a 30% faster trip review and customization process.



LEADERSHIP EXPERIENCE

• Design Co-Head, IEEE BU

(Student Chapter of Bennett University)

(Aug 2023 - Aug 2024)

- Led the design team in creating visual content for events, promotions, and social media, ensuring brand consistency and high-quality output.
- Managed and coordinated design tasks across multiple events, working closely with the event and marketing teams to ensure timely delivery during my tenure.
- Spearheaded the creative direction for all chapter events and campaigns, delivering innovative design solutions that aligned with IEEE's global branding.