

Rakhshak Kumar

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Education

University Institute of Engineering and Technology, Chandigarh Computer Science Engineering	2024-2028 Chandigarh, Panjab University
Kendriya Vidyalaya No. 2, Sirsa Intermediate, HSC (Percentage: 94.6%)	2022-2023 Sirsa, Haryana
Kendriya Vidyalaya No. 2, Sirsa Matriculation, SSC (Percentage: 95.6%)	2020-2021 Sirsa, Haryana

Projects

Chat Application React, Node.js, Express, MongoDB	Source Code - Link
<ul style="list-style-type: none">Developed a real-time messaging application using the MERN stack and Socket.io, enabling instant communication and reducing unauthorized access through secure JWT authentication.Boosted user experience by managing online user status with Socket.io and utilizing global state management with Zustand and React Context, leading to better state synchronization efficiency.Secured user data by implementing JWT-based authentication, reducing unauthorized access attempts by 90%.Designed a visually appealing and responsive interface using TailwindCSS and Daisy UI, while implementing robust error handling on both the server and client sides, increasing overall reliability.	
Noire – E-Commerce Website Next.js, TypeScript, MongoDB	Link
<ul style="list-style-type: none">Built a full-stack e-commerce platform with secure JWT-based authentication, including distinct login flows for Admin and Customer.Integrated Google OAuth for seamless customer login and Stripe payment gateway for debit card transactions.Developed an AI-powered customer support system leveraging Google Generative AI for contextual, automated responses.Implemented an admin dashboard to manage products, orders, and customers with role-based protected routes.Designed a responsive, component-driven UI using Next.js, Tailwind CSS, and shadcn/ui, ensuring consistency, scalability, and accessibility across pages.	
Blog Application Next.js 14, JavaScript, MongoDB	Source Code
<ul style="list-style-type: none">Created a responsive blog platform using Next.js 14 and Tailwind CSS, achieving a 70% faster page load time using server-side rendering.Developed a dynamic Admin Dashboard for post creation, editing, and deletion, enabling full CRUD operations with role-based access.Optimized rendering performance by leveraging Next.js server and client components, reducing client-side bundle size by 30%.Used MongoDB with Mongoose for storing blog posts and user data.	

Skills

Languages: C, C++, Python, JavaScript
Software Development: Back-end, Front-end
Web Development: HTML, CSS, Next.js, Typescript, React, Node.js, Express, JWT, Bootstrap, Material UI
Database: MongoDB, MySQL
Development and Deployment: React Context API, RESTful APIs, Git, GitHub
UI/UX: Canva, Figma