

Vishal Dogra

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Education

National Institute of technology, Srinagar, Bachelor of Technology in Computer Science and Engineering August 2023 – May 2027

- **Coursework:** Data Structures and Algorithms, Operating Systems, OOP, DBMS.

Experience

Web Developer - Rang-e-Chinar Cultural Fest, NIT Srinagar September 2025 – October 2025

- Developed a full-stack event registration platform using Next.js, managing over **5,000 participants** with email ticketing and **QR-based verification**.
- Implemented **JWT authentication**, **Zod validation**, and a **Cloudinary**-based ID upload system for secure and efficient data handling.
- Deployed on Vercel with optimized **Server-Side Rendering (SSR)** and API routes, enhancing performance and scalability.

Projects

Tomorrow's Datagram - College Activity Board Activity-board2.git

- Built a Next.js-based activity board enabling college students to discover and join activities across Open Events, Communities, and College-Funded Projects.
- Developed roll number-based authentication with manual ID verification and secure **JWT (HTTP-only cookies)** session handling.
- Implemented social features including like, comment, join, and report functionalities for enhanced engagement.
- Created an admin dashboard for activity approval, ID verification, and report moderation.
- Added advanced search and filtering by genre, type, and keywords, improving discoverability.
- Ensured responsive, mobile-friendly design with optimized performance using Next.js **API routes** and server-side validation via **Zod**.
- **Tools Used:** Next.js 15, React 19, TypeScript, Tailwind CSS, Prisma ORM, PostgreSQL, JWT, Zod.

Wanderlust - Full Stack Web Application (Airbnb Clone) wanderlust.git

- Developed a full-stack accommodation platform allowing users to explore, book, and host stays — inspired by Airbnb's real-world workflow.
- Implemented secure user authentication using **Passport.js**, with full **CRUD** functionality for listings and reviews.
- Integrated **Cloudinary** for seamless image uploads and optimization, ensuring fast rendering and efficient storage.
- Used **Mapbox API** for interactive maps to dynamically display property locations.
- Designed a responsive, modern UI with **EJS templating**, focusing on accessibility and performance.
- Deployed the project on **Render**, with database management through **MongoDB Atlas**, ensuring scalability and uptime.
- **Tools Used:** Node.js, Express.js, MongoDB, Mongoose, EJS, Cloudinary, Mapbox, Passport.js.

Technologies

Languages: C, C++, Python, JavaScript, TypeScript

Frameworks & Libraries: Next.js, React, Node.js, Express.js, Tailwind CSS

Tools & Platforms: Git, GitHub, Vercel, Render, Cloudinary, Mapbox API, Postman

Databases: MongoDB, MySQL, PostgreSQL