

# Vishal Dogra

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## Summary

Computer Science undergraduate at NIT Srinagar (Class of 2027) with hands-on experience in developing scalable full-stack web applications using **Next.js**, **Node.js**, and **TypeScript**. Built and deployed real-world projects such as Tomorrow's Datagram and Wanderlust, demonstrating strong skills in database design, API integration, and secure authentication systems. Passionate about clean architecture, performance optimization, and building meaningful digital experiences.

## 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

- Developed a full-stack activity board for college events and communities using Next.js and Prisma ORM.
- Implemented JWT authentication, admin dashboard, and Zod validation for secure data flow.
- Optimized database queries and UI responsiveness for seamless user experience.
- **Tools Used:** Next.js 15, React 19, TypeScript, Tailwind CSS, Prisma ORM, PostgreSQL, JWT, Zod.

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

- Built a feature-rich accommodation platform for booking and hosting stays.
- Integrated Cloudinary for image uploads and Mapbox API for dynamic property maps.
- Enabled secure authentication with Passport.js and deployed via Render + MongoDB Atlas.
- **Tools Used:** Node.js, Express.js, MongoDB, Mongoose, EJS, Cloudinary, Mapbox, Passport.js.

**Personal Portfolio Website** portfolio.git

- Designed and developed a responsive personal portfolio using **Next.js 15**, **React 19**, and **Tailwind CSS** with a minimalist black-gold theme.
- Integrated a **contact form** with automated email responses using **Nodemailer** and data persistence via **Prisma ORM** and **Neon PostgreSQL**.
- Deployed on **Vercel** with environment-based configurations for performance, scalability, and security.

## 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