

HIMANSHU VERMA

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PROFESSIONAL SUMMARY

Full-Stack Developer with experience in building and shipping production-grade web applications using React.js, Next.js, Node.js, and TypeScript. Specialized in scalable GIS platforms, REST API design, and performance-optimized frontend architecture. Demonstrated ability to reduce render overhead, architect reusable component systems, and deliver features end-to-end from design through CI/CD deployment. Secured **2nd Rank** in PG-DAC at **CDAC Noida** with **79.26%**, and holds a B.Tech in Computer Science Engineering.

TECHNICAL SKILLS

Languages	JavaScript (ES6+), TypeScript, Java, HTML5, CSS3, SQL
Frontend	React.js, Next.js, Tailwind CSS, Shaden UI, Zustand, TanStack Query, React Hooks, Context API, Component Architecture, Responsive UI
Backend	Node.js, Express.js, REST API Design, JWT Authentication, WebSockets, Middleware Development, API Security
Databases	PostgreSQL, MongoDB, Prisma ORM, Database Schema Design
GIS & Mapping	OpenLayers, GeoJSON, Spatial Data Visualization, Vector Layer Editing, Coordinate Systems, Geometry Operations
DevOps & Cloud	Vercel, Docker, CI/CD Pipelines, Deployment Automation
Tools & Practices	Git, GitHub, Agile/Scrum, Postman, Code Review, Technical Documentation

PROFESSIONAL EXPERIENCE

Frontend Developer August 2024 – Present

MapNexa – GIS & Construction Mapping Platform — Remote

Next.js, React.js, TypeScript, OpenLayers, Zustand, Tailwind CSS, Shaden UI, Vercel

- Engineered and shipped **10+ production features** for a GIS and construction mapping SaaS platform, directly supporting enterprise-scale spatial visualization and measurement workflows.
- Built a full OpenLayers-based spatial editing toolkit – polygon drawing, distance/area measurement, GeoJSON layer editing, and interactive rendering – cutting manual GIS workflow time by an estimated **40%**.
- Diagnosed and eliminated unnecessary React re-renders across large geospatial datasets, improving frontend responsiveness by **30%** on complex multi-panel map views through memoization and component splitting.
- Architected a scalable **Zustand** global state management system, decoupling component dependencies and reducing average feature development cycle time by **25%**.
- Delivered **5+ enterprise-grade dashboard interfaces** using Tailwind CSS and Shaden UI, establishing a reusable component library used across all platform feature areas.
- Configured and maintained Vercel deployment pipelines with GitHub Actions CI/CD integration, enabling **zero-downtime continuous delivery** for all frontend releases.
- Owned the complete frontend delivery lifecycle: architecture decisions, component design, code review, testing, deployment, and post-launch performance monitoring.

PROJECTS

ATLAS – Full-Stack Hostel Management System

August 2025 – February 2026

*github.com/himanshhuv/ATLAS — [Live Demo](#) — *React.js, Node.js, Express.js, Prisma PostgreSQL, MongoDB, JWT Authentication**

- Designed and built a full-stack multi-role hostel management platform serving **200+ students**, automating room allocation, complaint ticketing, mess operations, and administrative reporting workflows.
- Engineered an SMTP-based automated notification system using Nodemailer that reduced manual

communication overhead by **60%** and improved complaint resolution response time.

- Designed normalized **PostgreSQL schemas** covering students, rooms, hostel records, and access roles, with indexing and query optimization to support stable concurrent multi-user load.
- Built **25+ RESTful API endpoints** with JWT-based authentication and role-based authorization, securing distinct access tiers for administrators, wardens, and students.
- Structured APIs and database access patterns with pagination and connection pooling to support scalable concurrent usage across all user roles.

Finance Management Web Application

2026

github.com/himanshhuu/finance-vite — [Live Demo](#) — *React.js, Vite, TypeScript, Tailwind CSS, REST API*

- Built a responsive finance management web application for tracking income, expenses, and financial summaries through an interactive dashboard interface.
- Developed reusable React component architectures with TypeScript and optimized state-driven UI rendering for smooth user interactions and scalable frontend workflows.
- Implemented transaction management, categorized expense visualization, and dynamic financial data updates using REST-based application flows.
- Designed modern responsive layouts using Tailwind CSS, improving usability across desktop and mobile devices while maintaining clean dashboard accessibility.

OPEN SOURCE CONTRIBUTIONS

Helmor – Multi AI-Agent orchestration Platform — github.com/dohooo/helmor

React.js, TypeScript, localStorage API, DOM Event Handling

- Contributed production-ready features to a large-scale React + TypeScript open-source multi-agent platform; pull requests reviewed and merged by core maintainers.
- Implemented persistent inspector panel state management using the **localStorage API**, preserving panel layouts, collapsed states, and active terminal sessions across application restarts – directly improving daily developer workflow continuity.
- Resolved a UX regression causing unintended panel collapse during text selection by implementing **event-state synchronization logic**, restoring reliable terminal interaction across all input scenarios.
- Practiced collaborative open-source development through branch-based PRs, issue tracking, code review, and GitHub Actions integration.

EDUCATION

Post Graduate Diploma in Advanced Computing (PG-DAC)

august 2025 – february 2026

CDAC Noida — Percentage: **79.26%**

Bachelor of Technology – Computer Science and Engineering (B.Tech CSE)

2021 – 2025

Teerthanker Mahaveer University, Moradabad — CGPA: **7.71 / 10**