

# Priyanshu Raj

+91-7091499336 · rajp58425@gmail.com · linkedin.com/in/priyanshu-raj · github.com/priyanshu6729

## PROFESSIONAL SUMMARY

Full Stack Developer with internship experience building scalable web applications using React.js, Next.js, Node.js, and the MERN stack. Skilled in REST API design, JWT/RBAC authentication, Next.js SSR, and database optimization (MongoDB, PostgreSQL). Delivers end-to-end solutions from responsive frontend UI to robust backend architecture with strong foundations in DSA and System Design.

## TECHNICAL SKILLS

**Languages** C++, JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3  
**Frontend** React.js, Next.js (SSR/SSG), Redux Toolkit, Tailwind CSS, Responsive Web Design  
**Backend** Node.js, Express.js, REST API Design, JWT Authentication, RBAC, OTP Verification  
**Databases** MongoDB, MySQL, PostgreSQL, Firebase, Schema Design, Query Optimization, Indexing  
**Tools** Git, GitHub, Postman, Vercel, Render, VS Code, docker  
**Core CS** Data Structures & Algorithms, Object-Oriented Programming, System Design

## WORK EXPERIENCE

### Swabhiman Foundation

Remote

Full Stack Developer Intern

Jun 2025 – Dec 2025

- Built a modular MERN stack service marketplace supporting multiple user roles, service listings, and end-to-end request workflows with scalable architecture.
- Engineered secure RESTful APIs with JWT authentication, OTP email verification, and centralized error handling, reducing authentication-related bugs by 30%.
- Optimized MongoDB schemas with strategic indexing and aggregation pipelines, improving query performance by approximately 40% on high-traffic endpoints.
- Integrated Next.js SSR for key pages, improving page load speed and SEO performance of the platform frontend.

### STVT STC – Northern Railways

Lucknow, Uttar Pradesh

Software Developer Intern

Jun 2025 – Jul 2025

- Developed a full-stack MERN Trainee Management System to streamline onboarding, record management, and administrative processes across departments.
- Implemented Role-Based Access Control (RBAC) with secure admin dashboards and trainee portals, enforcing granular authorization policies and improving system security.
- Automated marksheet generation, digital certificate issuance, and resignation workflows, reducing administrative workload by 50% and saving 20+ staff hours per week.

## KEY PROJECTS

### Model Movement Control | MERN, Next.js, Gemini AI API, A\* Algorithm, Tailwind CSS | [Live Demo](#)

- Built a full-stack evacuation planning and simulation system with real-time location tracking and dynamic movement visualization using Next.js and Node.js.
- Integrated Google Gemini API for adaptive AI-powered route recommendations and implemented A\* pathfinding algorithm for optimized, collision-free evacuation routing.
- Deployed on Vercel (frontend) and Render (backend API) achieving sub-2-second load times through Next.js server-side rendering.

### Cryptoplace – Cryptocurrency Price Tracker | React.js, CoinGecko API, Chart.js, Tailwind CSS, REST API | [Live Demo](#)

- Developed a real-time cryptocurrency tracking platform displaying live data for 100+ digital assets via CoinGecko REST API with 60-second auto-refresh.
- Implemented interactive Chart.js price charts with multiple timeframes (1D, 7D, 30D, 1Y), advanced search, and market-cap filtering for detailed trend analysis.
- Designed a fully responsive UI using Tailwind CSS with seamless cross-device experience and optimized rendering performance.

## EDUCATION

### University of Lucknow

Lucknow, Uttar Pradesh

B.Tech – Computer Science & Engineering | CGPA: 8.22

2022 – 2026