

KARAN KUMAR SHARMA

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Professional Summary

Final-year B.Tech Chemical Engineering student at NIT Jalandhar and Full Stack Developer with hands-on experience building responsive web applications using React.js, Node.js, Express.js, MongoDB, and REST APIs. Experienced in backend development, authentication, session management, MVC architecture, database design, API development, and debugging. Strong foundation in Data Structures & Algorithms, OOP, DBMS fundamentals, and asynchronous JavaScript.

Education

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar
B.Tech in Chemical Engineering

2023 – 2027
CGPA: 7.62

Experience

Full Stack Developer & SEO Intern – NationScholars

Jun 2026 – Present

- Developed and migrated responsive web pages using **React.js**, reusable components, and structured layouts, improving consistency and maintainability across the platform.
- Implemented frontend features including navigation, FAQs, testimonials, chatbot, authentication pages, and responsive user interfaces.
- Developed and optimized educational pages for colleges, courses, scholarships, counselling, and examinations with focus on usability and performance.
- Integrated **Google Analytics and Meta Pixel** to track lead sources, conversions, and user interactions for data-driven decisions.
- Worked across frontend and application layers to debug issues, implement feature updates, and maintain responsive web experiences.

Projects

Sharma Consultancy – Full Stack Student Counselling Platform
Tailwind CSS

Node.js, Express.js, MongoDB, Mongoose, EJS,

- Built a role-based student counselling platform with separate **student and counsellor workflows**, authentication, sessions, dashboards, and profile management.
- Designed MongoDB schemas and implemented backend APIs following **MVC architecture** for structured CRUD operations and maintainable application development.
- Implemented **session-based authentication, password hashing, form validation, role-based access, favourites, and counselling workflows**.
- Developed dynamic dashboards and responsive interfaces for managing student profiles, college preferences, and counselling activities.

URL Shortener – Full Stack Web Application

Node.js, Express.js, MongoDB, Mongoose, EJS

- Developed a URL shortening service that generates short codes, stores URL mappings in **MongoDB**, and redirects users through shortened routes.
- Implemented **route-controller separation, server-side validation, click tracking, and database persistence** using Express.js and Mongoose.
- Designed the application using an **MVC-style structure** with separate routing, controller, and database layers.
- Built a responsive result interface with copy-to-clipboard functionality and dynamic short-link generation.

Technical Skills

Languages	Java, JavaScript (ES6+), HTML5, CSS3
Frontend	React.js, Redux Toolkit, EJS, Tailwind CSS
Backend	Node.js, Express.js, REST APIs, MVC, CRUD, Session Authentication
Database	MongoDB, Mongoose
Core CS	Data Structures & Algorithms, OOP, DBMS Fundamentals, Asynchronous JavaScript
Developer Tools	Git, GitHub, Postman, VS Code

Achievements

- Solved **100+ Data Structures & Algorithms problems** covering arrays, strings, hashing, binary search, recursion, and core problem-solving patterns.
- Built and deployed multiple full-stack web applications using the **MERN/Node.js ecosystem**.

Leadership & Activities

Internship Representative

- Coordinated internship-related communication between students, faculty, and placement stakeholders.

CHEMCON, PRAYAAS Day & SRIJAN – Event Coordinator

- Coordinated event logistics for **500+ participants** with a **10+ member organizing team**, ensuring smooth execution and coordination across activities.