

Karan Kumar

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GitHub: karan-kumar | LinkedIn: karan-kumar | LeetCode: karan-kumar | Portfolio: karan-kumar

Summary

Highly motivated and skilled **Computer Science undergraduate** with expertise in **MERN Stack**, **Next.js**, and **real-time collaboration tools**. Proven experience in building scalable web applications, AI-powered tools, and educational platforms. Strong foundation in **Data Structures and Algorithms**, with a passion for problem-solving and continuous learning.

Skills

Programming Languages: C++, JavaScript, TypeScript

Frameworks & Tools: MERN Stack, Node.js, Express.js, React.js, Next.js, Neon DB, Drizzle ORM, Appwrite, Firebase

Other Skills: Git/GitHub, Responsive Design, REST APIs, Real-Time Collaboration,

Projects

Learning Management System (LMS) | *Jul 2024 – Nov 2024*

Live Demo: Live Demo

- Created a platform for creating courses and lessons where users can share resources, reply to discussions, and manage assignments and quizzes.
- Added article creation functionality to share educational content.
- Added functionality for creating and sharing interview experiences and content.
- Implemented collaboration tools for assignments and course resources.
- Built with Next.js for server-side rendering and improved SEO, ensuring a seamless user experience.

AcePrep | *Aug 2024 – Nov 2024*

Live Demo: Live Demo

- Designed AI-powered mock interviews with MCQs, coding tests, and theory exercises.
- Created performance tracking dashboards with AI feedback.
- Built with Neon DB, Drizzle ORM, and Next.js.

Expense Manager | *Jan 2025 – Feb 2025*

Live Demo: Live Demo

- Developed a React.js and Appwrite-powered web application for seamless group expense tracking.
- Features include expense categorization, multi-user management, and fair contribution calculation.
- Users can track their spending habits, view individual expense breakdowns, and add/remove members dynamically.
- Solves real-life problems of shared living and team-based expense management.

Achievements

Solved 500+ problems on LeetCode, HackerRank, and Codeforces.

Ranked in the top 10 percentage in coding contests on Graphs, Dynamic Programming, and Trees.

Developed AcePrep, reducing exam preparation time by 20%.

Education

Bachelor of Technology in Computer Science

Aug 2022 – Expected May 2026

AKTU University, India