

Dev Sharma

Full-Stack Engineer | MERN Stack Specialist | Competitive Programmer

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Summary

- **Full-Stack Engineering:** Results-oriented developer specializing in the MERN Stack (MongoDB, Express.js, React.js, Node.js), with a focus on architecting scalable web applications and secure backend systems.
- **Algorithmic Proficiency:** Strong foundational knowledge in Data Structures & Algorithms (DSA), evidenced by **1,000+ problems solved** across LeetCode and GeeksforGeeks, ensuring computationally efficient code.
- **DevOps & Deployment:** Proficient in modern DevOps tools including Git, AWS, and Vercel for automated CI/CD pipelines and cloud-native application deployment.
- **Technical Leadership:** Demonstrated engineering leadership as Vice President of TechGeeks Club, organizing technical events and mentoring peers in algorithmic problem-solving.
- **Academic Excellence:** Eager to contribute to dynamic Agile environments, backed by a robust engineering background with a **7.86/10 CGPA** in Computer Science & Engineering.

Education

Bachelor of Technology (B.Tech) - Computer Science & Engineering Graphic Era Hill University | 2022 - 2026

CGPA: 7.86 / 10.0

Projects

Nurtify | Smart Food Tracking Application (Next.js, Node.js, Convex, MongoDB)

- **Developed** a full-stack food tracking application that lets users log meals, track nutrient intake, and view their daily progress on a visual dashboard.
- **Set up** secure user logins and private session management using Clerk, ensuring all personal health data and nutrition goals stay protected.
- **Connected** the app to the USDA FoodData Central API to fetch reliable nutrition facts and calculate daily totals automatically.
- **Designed** a hybrid database system using Convex and MongoDB to store structured goals and flexible food logs in the most efficient way.
- **Created** an AI-powered chatbot that answers nutrition questions based on the user's data and sends automatic email updates when health goals are reached.

Next Hire | Real-Time Collaborative Interview Platform (Next.js, Convex, Clerk)

- **Spearheaded** the development of a live coding environment allowing sub-second code synchronization between multiple users.
- **Engineered** real-time state management to support interactive coding sessions with synchronized text editing and performance-based rating systems.
- **Integrated** Clerk for robust identity management, streamlining secure authentication flows and session handling for interviewers and candidates.
- **Established** an automated CI/CD pipeline via Vercel Webhooks, ensuring rapid deployment cycles and immediate feedback loops for feature iterations.

Movie Finder | Movie Discovery Application (React.js, TMDB API)

- **Developed** a dynamic content discovery platform, integrating the TMDB REST API to fetch and render trending movie data with asynchronous state management.
- **Implemented** advanced search algorithms and debouncing techniques to optimize query performance, ensuring accurate results with minimal API latency.
- **Designed** a mobile-first, responsive user interface using Tailwind CSS, focusing on accessibility and seamless cross-device compatibility.

Technical Leadership

Vice President & Tech Lead | TechGeeks Club

- **Directed** strategic operations for the university's technical club, leading a core team to execute large-scale coding contests and workshops.
- **Spearheaded** the DSA Mentorship Program, mentoring 50+ junior students in Data Structures & Algorithms and organizing peer-learning sessions.
- **Orchestrated** the "Annual 24Hr College Hackathon," managing logistics, judging criteria, and participant engagement for 150+ developers.

Achievements

- **Global Rank (Top 0.4%):** Ranked 19th out of 5,000+ students in the Graphic Era Competitive Programming leaderboard.
- **Algorithmic Proficiency:** Solved **1,000+ DSA problems** across LeetCode (400+) and GeeksforGeeks (600+), specializing in Graphs and Dynamic Programming.
- **Hackathon Excellence:** Secured **4th Place** in the TECHCLUB Hackathon, leading a team to develop a functional prototype under strict deadlines.
- **Debugging Champion:** Awarded **2nd Place** in the Annual Debugging Contest for superior code optimization and error resolution skills.

Technical Skills

- **Languages:** JavaScript (ES6+), C++, Java, SQL, PHP, HTML5, CSS3.
- **Frontend Technologies:** React.js, Next.js (App Router), Redux Toolkit, Tailwind CSS, DaisyUI, Responsive Web Design.
- **Backend Technologies:** Node.js, Express.js, RESTful APIs, WebSockets ([Socket.io](#)), WebRTC, JWT Authentication.
- **Databases:** MongoDB (NoSQL), PostgreSQL, MySQL, Mongoose ODM, Relational Database Management Systems (RDBMS).
- **DevOps & Tools:** Amazon Web Services (AWS), Vercel, Render, Git, GitHub, CI/CD Pipelines, Postman.
- **Computer Science Fundamentals:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems (OS), Computer Networks.