

SACHIN KUMAR

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PROFESSIONAL SUMMARY

Fresher Software Engineer with strong foundation in data structures, algorithms, and full-stack web development using React.js, Node.js, Express.js, and MongoDB. Experienced in building real-time, and AI-driven applications through academic and project work.

EDUCATION

Graphic Era Hill University <i>Master of Computer Applications (MCA), CGPA: 9.2/10.0</i>	Dehradun, Uttarakhand Aug 2024 – July 2026
Hemvati Nandan Bahuguna Garhwal University (HNBGU) <i>Bachelor of Computer Applications (BCA), CGPA: 7.7/10.0</i>	Srinagar, Uttarakhand Aug 2021 – July 2024

TECHNICAL SKILLS

Programming Languages: C, Python, JavaScript
Web Technologies: React.js, Node.js, Express.js, FastAPI
Databases: MongoDB, MySQL
Tools & Platforms: Git, GitHub
Core Concepts: Data Structures, Algorithms, OOP, REST API Development, SDLC, Debugging, Prototype Model.

PROJECTS

SEO-Crawler <i>React.js, FastAPI, Pydantic, Tailwind CSS, WebSockets</i> Link • Developed a web application to scan websites for broken internal and external links, improving SEO performance. • Implemented WebSocket-based real-time link health updates for instant feedback. • Built a FastAPI backend with Pydantic, efficiently processing 1000+ links per scan.	May 2025 – June 2025
Exam-Prep AI <i>MERN, LangChain, Gemini API</i> Link • Built an AI-driven exam preparation platform using previous year papers and notes. • Integrated Gemini models via LangChain to generate contextual answers with 90%+ accuracy. • Designed a responsive UI serving 50+ users with efficient search and navigation.	Apr 2025 – May 2025
IMDb Clone <i>React.js, Context API, Tailwind CSS, Third-Party APIs</i> Link • Developed a movie search web application allowing users to search and explore detailed movie information. • Integrated a third-party movie API to fetch real-time data including ratings, genres, and release dates. • Implemented global state management using React Context API for efficient data handling.	

EXPERIENCE

Algorithm Visualizer & Comparison System <i>Software Developer</i> • Project Link: Link • Built an interactive system to visualize and compare sorting algorithms using step-by-step execution. • Enabled custom array input and tracked performance metrics including comparisons and swaps.	Academic Team Project Link
Student Management System <i>Team Lead – College Project</i> • GitHub : Link • Led a team to develop a command-line Student Management System in C using hash maps, binary search trees, and linked lists. • Implemented file handling and system-level functionalities for persistent data storage and efficient record management.	Graphic Era Hill University Mar 2025 – May 2025

CERTIFICATIONS & ACHIEVEMENTS

Problem Solving (Intermediate): HackerRank certified; demonstrated proficiency in data structures and algorithms using Python (Certificate)
SQL (Basic): HackerRank certified; validated skills in complex queries, joins, subqueries, and data analysis (Certificate)
Problem Solving: Active on LeetCode and coding platforms, solving 150+ DSA problems across arrays, trees, graphs, and DP
Academic Excellence: Achieved 9.2 CGPA in MCA program, demonstrating strong theoretical and practical knowledge