

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

Master of Computer Applications (MCA), CGPA: 9.2/10.0

Dehradun, Uttarakhand

Aug 2024 – July 2026

Hemvati Nandan Bahuguna Garhwal University (HNBGU)

Bachelor of Computer Applications (BCA), CGPA: 7.7/10.0

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 | React.js, FastAPI, Pydantic, Tailwind CSS, WebSockets | [Link](#)

May 2025 – June 2025

- 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.

Exam-Prep AI | MERN, LangChain, Gemini API | [Link](#)

Apr 2025 – May 2025

- 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.

IMDb Clone | React.js, Context API, Tailwind CSS, Third-Party APIs | [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

Academic Team Project

Software Developer

[Link](#)

- 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.

Student Management System

Graphic Era Hill University

Team Lead – College Project

Mar 2025 – May 2025

- 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.

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