

KALASH JAIN

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Education

Medi-Caps University, Indore

Bachelor of Technology in Computer Science

Sep. 2020 – May 2024

9.23, till 6th Sem

Experience

Savor Naturals [🌐](#) [🔗](#)

Web Developer Intern

Dec 2022 – Feb 2023

Indore, Madhya Pradesh

- **About:** Developed an e-commerce web application using the MERN Stack. My role was to work on the Frontend, Product Cart and login functionality of the website .
- **Impact:** Utilized local storage for cart data, leading to a 20% reduction in loading time, improving overall performance
- **Tech Stack:** React.JS, MongoDB, Express.js, Node.js

Projects

Sudoku game | [🌐](#) [🔗](#) | HTML, CSS, JavaScript, Bootstrap

- **About:** A user-friendly Sudoku application Offering an extensive collection of 10,000+ distinct puzzles, catering to all levels of difficulty, to enrich the user experience.
- **Impact:** Implemented a robust backtracking algorithm for puzzle generation and Optimized efficiency by strategically pre-filling 27 cells, reducing complexity to $O(9^{54})$ from $O(9^{81})$

Movie Search Application | [🌐](#) [🔗](#) | React.Js, CSS ,Bootstrap

- **About:** A responsive web application use to fetch movie data, including ratings and reviews.
- **Impact:** Integrated the OMDb API to fetch movie data and rate limiting by using debouncing to control API calls and prevent excessive requests.

Technical Skills

Languages: C, C++, JavaScript, SQL, Core Java

Web Development: HTML5, CSS, Bootstrap, MongoDB, Express.Js, React.Js, Node.Js,

Developer Tools: Git, GitHub, VS Code, Postman, MongoDB Compass

Leadership / Extracurricular

Software Cell

2022 – 2023

Training and Guidance Head | Front-end Developer

Medi-Caps University

- Organized coding contests, attracting 2000+ students to participate in evaluating coding and logical skills.
- Trained and managed a team of developers
- Made valuable contributions to web development projects for the University's Official websites to enhance user experience and drive website engagement.

GG -YouTube startup

2020 – 2021

Educator

YouTube

- A YouTube startup with a 12-member team dedicated to teaching fundamental engineering topics and concepts.
- Taught C, C++, and Data Structures to a diverse student community of more than 250 + learners.

Honors and Achievements

2023 - International Collegiate Programming Contest (ICPC) regionalist rank : 88

2022 - Google kick start Round-H Rank : 888/10000 i.e, top 9%

2022 - CodeChef Starters -32 Rank : 810/ 10000 i.e, top 8%

2022 - SGSITS - Heuristic 2.0 Rank : 68/200 i.e, top 30%

2022 - CodeChef CodeSensio Global Rank : 589/ 50000 i.e, top 11%

Competitive Programming Ratings

2023 - LeetCode Rating and ranking : max.(1731) top 10% on LeetCode

2021 - CodeChef Rating and ranking : max. 4-star, (1840)

2023 - CodeForces: solved 400+ questions

2023 - Leetcode: solved 500+ questions

Relevant Coursework

Data Structures and Algorithms, Database Management Systems, Object Oriented Programming, Operating System.