

Sanidhya Somani

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SUMMARY

Software Engineer candidate with strong foundation in Data Structures, Algorithms, and Object-Oriented Programming. Hands-on experience building scalable web applications using React and Node.js. Solved 700+ DSA problems and eager to apply problem-solving skills in a Software Development Engineer role.

TECHNICAL SKILLS

Preferred programming language: C++

Other programming languages: Python, JavaScript

Data Structures & Algorithms: Arrays, Strings, Hash Maps, Sets, Stacks, Queues, Linked Lists, Trees (Binary Tree, BST), Recursion, Sorting & Searching Algorithms, Basic Graphs (BFS, DFS), Time & Space Complexity Analysis

Frontend: HTML, CSS, JavaScript, React.js, Tailwind CSS

Backend: Node.js, Express.js, REST APIs

Tools & Platforms: Git, GitHub, VS Code, Postman

Core CS Concepts: Object-Oriented Programming (OOP), DBMS, Operating Systems

EXPERIENCE

Data Engineer Intern

Jun 2025 – Jul 2025 (Completed)

Alteryx Community (via Medicaps University)

Indore, MP

- Built automated data workflows using Alteryx Designer to process and transform **20+ datasets**.
- Applied data cleaning, filtering, joins, and aggregations using **15+ Alteryx tools** to improve data quality and consistency.
- Designed reusable workflows and macros to reduce repetitive manual processing tasks.

PROJECTS

AgriNexus

- [Live Demo](#)
- Developed a scalable agricultural web platform using ReactJS, NodeJS, HTML5, CSS3, and JavaScript.
- Implemented micro-frontend architecture to enable modular feature development and improve application load performance.
- Integrated RESTful APIs, optimized UI/UX, and ensured responsive cross-device compatibility.

To-Do List

- [Source Code](#)
- Demonstrates **state management and immutability** by adding and deleting tasks using React state.
- Shows **list rendering and event handling**, including mapping items with keys and handling user input.

EDUCATION

Medicaps University

Indore, MP

B.Tech in Computer Science and Engineering

Aug 2022 – May 2026

* Relevant Coursework: Data Structures & Algorithms, DBMS, Operating Systems, OOP, Web Development

PROBLEM SOLVING

Solved **700+ Data Structures and Algorithms problems** using C++ on LeetCode and other platforms. Strong focus on writing clean, optimized solutions with proper time and space complexity analysis.