



Sudhanshu Kumar

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TRAINING

Geeks For Geeks

July 2024

Data structures and algorithms using C++

- Designed and coded efficient solutions for common coding challenges, improving accuracy and speed. Boosted my problem-solving speed by 20% during high-pressure technical interview sessions.
- Optimized algorithms for complex real-world scenarios using graph traversal and parallel computing methods. Successfully reduced runtime by 50% while handling intensive and time-consuming tasks.
- Leveraged advanced C++ tools such as smart pointers, STL, and multi-threading techniques. Solved challenging coding problems much more efficiently and enhanced overall solution effectiveness.
- **Tech stacks used | Concepts:** C++, STL, Data Structures, Dynamic Programming, Graph

PROJECTS

Ideal Store E-commerce | Html, Css, JavaScript, Stripe Api, Node js

July 2024

- Created Ideal Store, an e-commerce platform with cart and payment feature. Integrated user authentication using scalable Node.js technologies for better performance.
- Stored user and cart data securely while building a responsive, high-performance interface. Enhanced navigation and improved product visibility using React and Redux frameworks.
- Developed secure payment gateway with Stripe integration for trust-driven transaction experience. Implemented 24-hour refund system to ensure seamless and service delivery.
- Live website link: [Ideal-Store](#)

MCS Event Management Website | React JS, Node JS, Express JS, MongoDB

May 2024

- Implemented role-based access where admins can create events and can manage new admins easily. Secured admin creation using private authentication key for better control and functionality.
- Enabled anonymous feedback feature allowing users to submit responses without login credentials. Focused on ensuring privacy and genuine user feedback collection system, users can post feedback in real time.
- Developed a scalable and responsive application using optimized React.js and Node.js for performance. Streamlined event management experience with seamless interface and faster processes.
- Live website link: [MCS: Moot Court Society](#)

Book Hive Website | React JS, Node JS, Express JS, MongoDB

Feb 2023

- Created Ideal Store, an intuitive e-commerce platform with cart and payment feature. Integrated user authentication using scalable React and Node.js technologies for better performance.
- Stored user and cart data securely while building a responsive, high-performance interface. Enhanced overall navigation and improved product visibility using React and Redux frameworks.
- Developed secure payment gateway with Stripe integration for trust-driven transaction experience. Implemented 24-hour refund system to ensure seamless and customer-focused service delivery.

CERTIFICATES

- | | |
|---|---------------|
| • Design & Implementation of Human-Computer Interfaces NPTEL | December 2024 |
| • Data structures and algorithms – self paced GFG. | July 2024 |
| • Programming in C++ Coursera | March 2024 |
| • The Bits and Bytes of Computer Networking Google | February 2024 |

Technical Skills

Languages HTML/CSS, Java, C++, Python, PHP, C

Technologies/Frameworks: Angular JS, React JS, Node JS, Express JS

Skills: Data Structures and Algorithms, Problem-Solving, Responsive Web Design

EDUCATION

Lovely Professional University

Bachelor of Technology - Computer Science and Engineering

Punjab, India

2022 - 2026

Suraj School

Intermediate; **Percentage: 88%**

Rewari, Haryana

2019 - 2021

Suraj School

Matriculation; **Percentage: 90.4%**

Rewari, Haryana

2017 - 2019