

Shatakshi Sinha

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SKILLS

- **Languages:** C++, JavaScript, C, PHP, Python
- **Frameworks:** HTML and CSS, Bootstrap, NodeJS, React
- **Tools/Platforms:** MySQL, MongoDB
- **Soft Skills:** Problem-Solving Skills, Project Management, Adaptability, Critical Thinking

SUMMER TRAINING

BOARD INFINITY- DATA STRUCTURES AND ALGORITHM

June 2024-July 2024

- Learning Outcomes
 - **Proficient in Data Structures and Algorithmic Problem-Solving** – Gained practical knowledge of arrays, linked lists, stacks, queues, trees, and graphs, along with sorting, searching, and dynamic programming techniques.
 - **Optimized Algorithm Efficiency** – Learned to analyze and improve time and space complexity, ensuring efficient code execution.
- **Project Overview**
Simple Library Management System
 - **Project Details:** This project is a simple library management system developed in C++ to help librarians efficiently manage a book collection. It demonstrates the practical use of data structures and algorithms.
 - **Functionality:** Add New Books, Search for a Book, Issue a Book, Return a Book, List all Books, Delete a Book

PROJECTS

- **Quiz Application - Quiz Making and Playing Website** April 2024
- Built a quiz platform using React and Node.js with user authentication, dynamic question rendering, and score tracking.
- Integrated a database for efficient storage and retrieval, enabling users to create, attempt, and review quizzes seamlessly.
- **Tech:** React, Node.js, Express.js, MongoDB
- **ElectoVote – A Secure Online Voting Platform** November 2024
- Developed a secure voting system using PHP, HTML, and CSS, featuring user registration, login, and real-time vote tracking.
- Added an image upload option for personalized user profiles and designed an intuitive dashboard for smooth navigation.
- **Tech:** PHP, HTML, CSS, MySQL, JavaScript

CERTIFICATES AND CERTIFICATIONS

- Cloud Computing – NPTEL November 2024
Gained knowledge of cloud architecture, service models, and deployment strategies.
- Server-side JavaScript with Node.js – NIIT, Coursera November 2024
Covered asynchronous programming, Express.js, file system operations, and RESTful APIs.
- Data Structures & Algorithms – Udemy by Abdul Badri May 2024
Mastered key concepts in data structures, algorithm design, and efficient problem-solving techniques.

EXTRACURRICULAR ACTIVITIES

- Community Development Project – NGO (Nayee Asha) May 2023
Worked for the welfare of underprivileged children, supporting education and basic needs.

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.7 Since August 2022
- **Bihar Public School** Buxar, Bihar
Intermediate; Percentage: 75% April 2019 - March 2021
- **Bihar Public School** Buxar, Bihar
Matriculation; Percentage: 85% April 2017 - March 2019