

SERENA SINHA

Bareilly, Uttar Pradesh 234005

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Training

Data Structures and Algorithms - Self Paced [Online Course]

May 2024 – Aug 2024

GeeksForGeeks

- Successfully completed a 16-week course focused on Data Structures and Algorithms, gaining a deep understanding of foundational and advanced problem-solving techniques.
- Familiar with key concepts including arrays, linked lists, stacks, queues, trees, graphs, sorting algorithms.
- Developed the ability to design and implement efficient algorithms to solve complex problems and improve code performance.
- Implemented Tic Tac Toe game with unbeatable AI using the Minimax algorithm, which analyzes all possible moves and select the optimal move.

Projects

Real-Time Document Editor | *Node.js, Express.js, React, Socket.io, Codemirror*

Nov 2024 - Dec 2024

- Integrated Socket.io for real-time synchronization of document changes across all connected users.
- Implemented user management features such as joining sessions using unique Room IDs and usernames.
- Developed an interactive editor using Codemirror, supporting syntax highlighting and document formatting.
- Added functionality for copying Room IDs, leaving editing sessions, and managing user participation.
- Focused on seamless collaboration, responsive design, and a user-friendly interface for effective team workflows.
- Github Repository Link: <https://github.com/SerenaSinha31/RealTextEditor>

Online Food Delivery Website | *React-Vite, MongoDB, ExpressJS, NodeJS*

Mar 2024 – Apr 2024

- Designed and deployed a full-stack online food delivery application with dynamic menu filtering.
- Implemented user authentication and individual session handling using MongoDB.
- Enabled cartmanagement, payment and checkout system with a responsive design layout.
- Leveraged the MERN stack to ensure performance, scalability, and maintainability.
- Github Repository Link: https://github.com/SerenaSinha31/BackendProject_OnlineFoodDelivery

Certificates

Safe and Responsible Ai

Nov 2024

NPTEL — [Certificate Link](#)

Server-Side JavaScript with NodeJS

Apr 2024

Coursera — [Certificate Link](#)

Introduction To Large Language Models

Feb 2024

Google Cloud — [Certificate Link](#)

Technical Skills

Languages C++, JavaScript, Html, CSS

Technologies/Frameworks: React JS, Node JS, Git, GitHub, MongoDB

Skills: Web Development, Problem-Solving, Responsive Web Design, JavaScript, DSA, UX/UI, Postman

Achievements

- 1st Position in Section – **Spotlight Circle Honoree, Department of Communication Skills–IV**
Recognized for excellence in communication skills, and leadership in class.
- Complete 100+ questions on **LeetCode** and 300+ questions on **GeeksForGeeks**
- Secured **Silver** Badges in **HackerRank** – Achieved **3 stars in CPP** and Java and **4 stars in Problem Solving**.
- CODE STORM 36 Hours Hackathon – **Spirit Organization & MLSA(Microsoft Learn Student Ambassadors)**
Held the role of Coordinator, managing event planning, team coordination, and smooth execution.

Education

Lovely Professional University Punjab

Since September 2022

Computer Science and Engineering — CGPA: 7.61

Jalandhar, Punjab

St. Maria Goretti Inter College

2020 – 2021

12th with Science — Percentage: 82%

Bareilly, Uttar Pradesh