SANJANA

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EDUCATION

B.Tech in Information Technology with Honors Graduating July 2025
Kurukshetra University 8.5 GPA
Panipat Institute of Engineering & Technology

TECHNICAL SKILLS

Web Development: HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB ,Bootstrap, Material-UI ,REST APIs
Tools & Technologies: Git, GitHub, Visual Studio Code, Postman
Programming: Java, C, C++, JavaScript
Certifications: Web Development-Udemy (Dec 2023), Datastructures & Algorithms-Algoprep
Coursework: Advance Algorithms, Web Development, Database Management Systems, Software Engineering, Operating Systems, Computer Networks, Object-Oriented Programming, Linux,

AWARDS & ACHIEVEMENTS

- Achieved the top position in academics for three consecutive years (2021 – 2024).
- Secured a top 15 position in an Online Web Development Hackathon ,competitive event hosted by Unstop (2024).
- National Hackathon (2023)-Earned a top 10 position at Coer University, IIT Roorkee, for a Phishing Extension.
- Won 1st place in the Appathon (PIET MAESTROS) for developing an online quiz application (2023).

PROJECTS

Event-Booking-System ***GitHub Code***

- Developed a robust MERN Stack application, integrating Razorpay and Google OAuth, achieving seamless use of 3 technologies and 2 advanced features.
- Designed and executed a comprehensive event management system that facilitated instant confirmation and payment status updates; enabled users to effortlessly browse and secure tickets, driving user engagement by 30%.
- Implemented a highly intuitive admin dashboard for centralized management of 100+ events, comprehensive oversight of all bookings, and efficient user management.
- Engineered robust data integrity with atomic transactions and distributed locks to prevent race conditions during ticket booking, and proposed a secure authentication using JWT and Bcrypt for enhanced security.

Excel-Clone ***GitHub Code*** | ***Deployment Link***

- Created an interactive web tool employing JavaScript, HTML, and CSS to simulate spreadsheet operations; achieved a user satisfaction score of 90%+.
- Engineered core features including 2D grid, rows, columns, sheets, formulae, and address bar, delivering a robust and interactive user experience.
- Formulated a depth-first search (DFS) algorithm to evaluate complex formulas, resulting in a 40% reduction in processing time for mathematical computations within the application framework, enhancing overall system performance.

Realtime-Whiteboard ***GitHub Code*** | ***Deployment Link***

- Developed an interactive whiteboard application, leveraging core web technologies to enable seamless real-time drawing and collaboration.
- Crafted advanced drawing tools including multi-color pencils, customizable eraser sizes, interactive sticky notes, draggable sticky images, and an option to download the whiteboard, ensuring a comprehensive and user-friendly experience.
- Created Undo-Redo features for the board using Arrays as a Satck by storing positions.
- Enhanced multi-user interaction by synchronizing updates via Socket.io and Node.js, ensuring smooth, real-time updates for over 50 concurrent users.

EXPERIENCE

CODSOFT Intern, Web Developer: Aug 2023 – Sep 2023

- Built and deployed a landing page, a mathematical calculator with 10+ functions, and a portfolio site as a Codosoft intern, leveraging React, CSS, and JavaScript to deliver engaging and interactive web applications.