Chada Sree Manish

Fresher
Front End Web Developer

⊕ **My Portfolio Website**

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| **in** Chada Sree Manish

Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2020 - 2024	BS	**Indian Institute of Technology Kanpur**	6.5/10
2020	Class XII(CBSE)	D.A.V.Public School, Safilguda	10/10
2018	Class X(CBSE)	D.A.V.Public School, Safilguda	10/10

Key Projects

E-commerce Website (Self Project) ⟳

- Developed a **dynamic, responsive React** application integrated with **React Router** for seamless navigation.
- Implemented state management using **Redux** to handle cart operations, including item deletion, selection for checkout, and utilized **useContext** to track the product currently being viewed.
- Enhanced user experience by leveraging the **GSAP** JavaScript animation library and the **useGSAP** hook to create smooth and visually appealing animations within the application.
- Incorporated efficient iteration techniques, such as map and filter functions, to enable features like product search and filtering based on price and category

Real-Time Chat Application (Self Project) ⟳

- Developed a full-stack real-time chat application, showcasing skills in both **front-end and back-end development**. Utilized the **MERN stack (MongoDB, Express.js, React.js, Node.js)** to build all aspects of the application
- Implemented real-time messaging and online user status using **WebSockets (Socket.IO)**. Enabled instant communication and dynamic updates within the chat application
- Built a secure authentication system managing user sign-ups and logins. Utilized **JSON Web Token (JWT)** for session handling and **bcrypt** for password security
- Successfully deployed the complete chat application live on the internet and utilized **MongoDB Atlas** for cloud database services and implemented build and start scripts for deployment

Codepen Clone (Self Project) ⟳

- Created a web app that replicates the core functionality of CodePen, a popular online code editor using React.
- Implemented code formatting and syntax highlighting for HTML, CSS, and JavaScript using **Prettier** and **Prism.js**
- Enhanced the user experience and functionality of the app by adding features such as open/close button, local storage hook.
- Applied the concepts of **state management**, **event handling**, and **component lifecycle** methods in React.

Pathfinding Visualizer (Self Project) ⟳

- Developed an interactive pathfinding algorithm visualizer in **React**, featuring exploration of BFS,DFS in a 2D Grid, and weighted graph algorithms like **Dijkstra's algorithm**, with customizable walls, start/target nodes, and node weights.
- React **Context API** manages state, enabling data flow without prop drilling, and includes a provider for key variables.
- Designed a **responsive** user interface with **CSS Grid**, facilitating an optimal viewing experience on diverse devices

Technical Skills

- **Programming Languages:** C++, C, Python, Javascript, LaTeX
- **Tools and Libraries:** React.js, Node.js, Express, Bootstrap, CSS, HTML, Git, jQuery, MySQL
- **CS Fundamentals:** Object Oriented Programming(OOPs), Database Management System(DBMS), Basic Linux Commands

Relevant Coursework   *Online Courses*

- Linear Algebra and Ordinary Differential Equations
- Computational Methods in Engineering
- Fundamentals of Computing
- Modern Cryptology

Scholastic Achievements

- Secured **Category Rank 3506** in **JEE-Advanced** among 1.5 lakhs candidates conducted by IIT Delhi
- Secured **Category Rank 8757** in **JEE-Main** among 1.2 million candidates conducted by NTA

Positions of Responsibility

Senior Executive, Show Management,UDGHOSH'21   *(2022)*

- Conduction of Stage events and on-ground events.
- Presented new initiatives and ideas for the festival theme and campus environment of the Institute.
- Monitored the creative work before the festival, arranged the supplies and tools needed to craft all the decorative artifacts.
- Maintaining and increasing the brand value of Udghosh and providing all its participants a memorable experience.

Extra-Curricular Activities

- Won second prize in TSS Badminton Event in the doubles format and participated in TSS Cricket Event.
- Played Valorant in Campus E-Sports League and am familiar with Japanese Language.