

Chakradhar Swamireddy

Full Stack Developer

Kakinada, Andhra Pradesh

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SKILLS & EXPERTISE

- **Languages:** HTML & CSS, Java, JavaScript (ES6), Python, SQL
- **Frameworks/Libraries:** React JS, Node JS, Chart JS, Django, SpringBoot, Next.js, Shadcn UI.
- **Tools:** Material UI, Bootstrap, Tailwind CSS, MongoDB, GitHub, Webpack, AJAX, WebRTC, Live Blocks.

PROFESSIONAL EXPERIENCE

- **Software Developer Intern, IIT Bombay** Dec 2023 - Present
 - Dashboard Management System: Developed and maintained a responsive dashboard design using React.js and Chart.js, incorporating data filters and styled with Material-UI, resulting in a 20% increase in user engagement.
 - JSP Project Bugs Resolution: Mitigated user data exploitation by ensuring user data requests matched session IDs and prevented payment fee manipulation by encrypting URLs & establishing a secure payment request database, reducing security incidents by 50 %.
 - Single Page Applications (SPAs) Micro Frontend: Designed an architecture to optimize and integrate multiple React applications within a single parent web application, resulting in a 30% reduction in loading times.
 - Implemented version control systems to enhance team code quality and facilitate knowledge sharing.
 - Developed efficient, industry-standard JavaScript code, collaborating with senior developers to oversee and maintain core web services, leading to a 15% reduction in bug incidents.

RELEVANT PROJECTS

- **LiveDocs - Collaborative Document Editing Tool** Sept 2024
 - Built a real-time collaborative document editing platform similar to Google Docs using Next.js (TypeScript) for the frontend and Liveblocks for real-time synchronization and notifications of user interactions, mentions, and comments.
 - Implemented user authentication through Clerk, ensuring secure access and personalized experiences for each user.
 - Styled the application with Shadcn UI and Tailwind CSS, creating a modern, responsive design.
- **Online Meet App** Aug 2024
 - Developed a comprehensive platform facilitating seamless online meetings, with real-time audio & video communication, using Next.js and WebRTC for optimal performance.
 - Implemented features such as secure meeting creation, participant invitation, and smooth joining experience with unique meeting IDs.
- **Users & Teams MERN App** Nov 2023
 - Implemented real-time filtering and search functionalities on server-side data.
 - Integrated data access across multiple database collections.
 - Efficiently performed CRUD operations, ensuring data integrity and improving application performance by 20%.
- **Todo App** Nov 2023
 - Engineered a Todo App with drag-and-drop functionality, enhancing user interaction and increasing task completion rates by 35%.
 - Ensured real-time synchronization with a Node.js server, reducing latency by 50% and improving user experience.
 - Implemented efficient capabilities to add, delete, check, and uncheck to-dos, improving application performance by 20%.
- **Web Development Course** June 2023 - Aug 2023
 - Coursera Web Design for Everybody: Basics of Web Development & Coding Specialization.
 - Gained practical projects on accessible and responsive web design, coding principles, and RESTful APIs.

EDUCATION

Examination	University	Institute	Year	CPI/%
Graduation	RGUKT	IIIT Srikakulam	2018-22	8.66
PUC	RGUKT	IIIT Srikakulam	2016-18	8.81