

SURAJ PRATAP SINGH

Mankapur, Gonda U.P

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Education

BBDNIIT

Bachelor of Technology in Information Technology

Aug 2018 – May 2022

Lucknow, CGPA:8.16

Experience

NIITMTS

Jul 2022 – Current

Software Developer

Gurugram, Haryana

- Developed and maintained a dynamic educational platform using React.js, ensuring ADA compliance and accessibility throughout the design and implementation process
- Collaborated with cross-functional teams to translate UI/UX design wireframes into high-quality code.
- Implemented RESTful APIs to communicate with backend services, facilitating real-time data retrieval and manipulation.
- Implemented performance optimization techniques such as lazy loading, code splitting, and memorization to enhance application efficiency.
- Contributed to the design and implementation of responsive UI components, optimizing performance across various devices and screen sizes.
- Engaged in code reviews and debugging to maintain quality standards, identifying issues and ensuring adherence to best practices.
- Utilized Redux and Context API state management libraries to optimize data handling and maintain consistent application states.
- Created and maintained FSD (Functional Specification Documents), providing comprehensive details on system functionality, user requirements, and technical specifications to facilitate effective onboarding and knowledge transfer.

Projects

Audio Player / React, HTML, CSS, Javascript, Spotify API

- Developed a dynamic audio player using React, integrating with the Spotify API to search and play tracks based on user input.
- Enabled users to search and play their favorite songs through a dynamic input-driven search feature.
- Implemented a responsive and user-friendly interface with Bootstrap, ensuring seamless functionality across devices.
- [Link to Project](#)

Learning Platform / React

- Developed a comprehensive web platform for enrolling in technical courses, enabling students to access various educational resources.
- Utilized React to build a dynamic and responsive user interface, ensuring an intuitive and seamless user experience
- Added a progress bar to display week completion numbers and overall course completion percentages based on completed activities.
- Created functionality for students to participate in course activities, complete assessments, and submit assignments online.
- Developed a weekly learning plan containing all weekly activities, including mandatory tasks to ensure structured and comprehensive learning.
- Captured the status of each activity to track progress and provide detailed insights into learner engagement.
- Developed a review system for mentors to evaluate submitted assignments, provide grades, and feedback using integrated rubrics.
- Ensured application accessibility by testing with JAWS screen reader software in compliance with ADA standards.
- Collaborated with cross-functional teams, including designers, backend developers, and product managers, to deliver a fully functional and user-centric product.

Technical Skills

Programming Languages: Python, C++, HTML/CSS, JavaScript,

Developer Tools: VS Code, Eclipse, SVN, webpack, React Router, CRA, Git, Vite

Technologies/Frameworks: GitHub, Bootstrap, Ant Design, Material UI, React JS

Database Management Systems: Mongo DB, MySQL

Certification & Achievements

- Enhancing Soft Skills & Personality (NPTEL)
- Course On Computer Concept (NIELIT)
- Python Programming (UPTEC)
- Web Development (Internshala)