KULDEEP CHOUHAN

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Education

Jawaharlal Intitute of Technology   Sep. 2020 – May 2024
Bachelor of Technology in Civil Engineering   *Khargone, Madhya Pradesh*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management
- Object Oriented

Technical Skills

Proficient Skills: Python, Java, C, C++,HTML/CSS, JavaScript, React.js, Data Structures and Algorithms
Platforms and Tools: VS Code, Git, Node.js, Linux, MySQL
Familiar: Tailwind CSS, Express, MongoDB, Github, Redux Toolkit, RESTful API, Jest

Projects

Video Streaming Platform | *React.js,Redux Toolkit,Tailwind CSS* | (Live Project)   **July 2023**

- Developed a highly performant and scalable video streaming application using **React**, **Redux**, and **Tailwind CSS**, resulting in improved user experience and loading speeds.
- Enhanced search functionality by integrating **debouncing**, ensuring responsive search results and minimizing unnecessary API requests.
- Utilized **caching** mechanisms to optimize search performance, reducing the load on the server and improving overall application responsiveness.
- Implemented a dynamic comment system with **n-level nested comments**, utilizing **YouTube API** to provide a seamless and organized user experience.
- Introduced a real-time live comment feature through **WebSockets**, enabling users to engage in discussions and interactions while watching videos.

Cross-Platform Excel Clone | *JavaScript* | (Live Project)   **February 2023**

- Developed cloud-based Excel clone utilizing XAML-based Windows and Android platforms, which allowed users to work collaboratively and synchronize their work in real-time.
- Successfully identified and addressed challenges related to cyclic dependencies in formulas by implementing a cycle detection algorithm using **Graphs Data Structures**, ensuring accurate calculations and preventing errors.
- Implemented a robust formula evaluation system based on Infix notation and utilized **Stacks Data Structures** to perform calculations on cells, enhancing the functionality of the Excel clone.
- Designed an intuitive user interface for the Excel clone's website, leveraging **HTML, CSS,** and **JavaScript**, enhancing user experience and ease of interaction.

IMDB Clone | *React.js,Bootstrap*| (Live Project)   **February 2023**

- Engineered the front-end of the website using **React.js** library, resulting in a improvement in page load speed and enhanced user experience
- Integrated **MovieDB API** for dynamic movie list display, ensuring up-to-date information availability.
- Designed and implemented a user-friendly feature that enables users to add and remove movies from their favorites list, providing a personalized and engaging experience.
- **Bootstrap** to create a visually appealing and responsive user interface, contributing to a better overall UI/UX design.
- Successfully enhanced the existing movie app's user base by 2x, attributed to the improved UI, added features, and optimized user experience.

Achievements

- Attained 3 stars on LeetCode, reaching the highest rating of 1564.   LeetCode
- Achieved under Top 10 Rank on GeeksforGeeks with over 550+ college students registered.   GeeksforGeeks
- Secured a global rank of 1896 out of 17756 participants in LeetCode Weekly Contest 330.
- Made significant open source contributions, totaling over 550+ on GitHub. GitHub
- Earned a Gold Badge and a 5-star rating in Problem Solving on HackerRank.