SUSHEEL SAHU

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Skill

- **Languages :** C++ , Java , Python , JavaScript
- **Tools and Frameworks :** React.Js , Pandas , MySQL , Git

Projects

Algorithm Visualiser **GitHub Repository**
Technologies used : React, Tailwind CSS , JavaScript
- Engineered real-time visualization for complex sorting algorithms, including Bubble Sort, Quick Sort, Merge Sort, and Selection Sort.
- Enhanced user engagement by ensuring an interactive and intuitive user experience through dynamic and responsive design principles.
- Utilized state management to handle user interactions and algorithm animations efficiently..

Portfolio Website **GitHub Repository**
Technologies used : MongoDB , React, NodeJS , Tailwind CSS
- Architected a sophisticated personal portfolio website to showcase professional projects and technical skills using the MERN stack.
- Implemented a dynamic and responsive user interface with React and Tailwind CSS, providing a polished and user-friendly experience across devices.
- Developed robust backend functionality with NodeJS, ensuring secure and efficient server-side operations.

Flappy Bird **GitHub Repository**
Technologies used : Python (Pygame)
- Created a highly engaging Flappy Bird game using Python and the Pygame library, incorporating advanced graphics and audio functionalities.
- Developed intricate game mechanics, including realistic gravity, collision detection, and scoring systems, to provide a challenging yet enjoyable gaming experience.
- Employed Object-Oriented Programming (OOP) principles to design modular, reusable code components for the bird, pipes, and background, enhancing code maintainability and scalability.

Calculator **GitHub Repository**
Technologies used : React , Tailwind CSS , JavaScript
- Developed accurate arithmetic operations with JavaScript, ensuring reliable and precise calculations for a seamless user interaction.
- Leveraged state management in React to handle complex user interactions and ensure smooth and efficient application performance.

Education

P.G.D.A.V College, University of Delhi, India   2021 - 2024
- Bsc. Mathematical science (Computer major)

General Raj's School, India   2020 - 2021
- AISSCE (Class XII), Aggregate: 90%

General Raj's School, India   2018 - 2019
- AISSE (Class X), Aggregate: 88.6%

Academic and Extracurricular Achievements

- Former Core Member and App Developer at **Google Developer Student Club**.
- Secured an impressive **2nd** place among 150+ participants in the Blind Coding Competition at DUCS, **Sankalan '24.**
- Secured an impressive **3rd** place outshining over 65+ teams in the fiercely competitive Code Auction at DUCS, **Sankalan '24.**