Sanskar Ranwa

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EDUCATION

VIT Bhopal University   Bhopal, India
Bachelor of Technology in Computer Science Engineering   *July 2022 – Present*
CGPA: 7.81/10

Jayshree Periwal High School   Jaipur, India
Class XII   *May 2021*
Percentage: 76.0%

Nosegay Public School   Rajasthan, India
Class X   *May 2019*
Percentage: 81.0%

PROJECTS

Flower Detection Model | *ResNet, OpenCV, Flask, React, Tailwind*   August 2024 - Ongoing
- Designed and implemented a model capable of identifying flowers from photos, providing detailed botanical and medicinal information.
- Developed the frontend using React and Tailwind, with the backend hosted on Flask.
- Utilized ResNet and MobileNetV2 for feature extraction, with TensorFlow and Keras for training the CNN model. https://github.com/Pranja1045/Ayurved$_f$lora$_c$lassification

TODO Application | *React.js*   August 2024
- Enhanced a task management app by adding a real-time task completion feature using ReactJS. Users can now visually distinguish between completed and pending tasks, improving task organization and productivity. The feature provides immediate feedback, ensuring a seamless user experience. https://github.com/Sansk13/ToDo

My-Dictionary | *HTML, CSS, and JavaScript*   July 2024
- My-Dictionary is a simple, user-friendly dictionary app built with HTML, CSS, and JavaScript. It offers quick, easy access to word meanings with a clean and intuitive interface. https://github.com/Sansk13/My-Dictionaryy

Stop Watch | *React.js, JavaScript*   April 2024
- Developed a high-precision digital stopwatch with a 0.01-second resolution using ReactJS and JavaScript. Features include start, stop, reset, and lap recording with a sleek, responsive interface. Utilized ReactJS for efficient state management and advanced JavaScript techniques for real-time updates and accurate timing. https://github.com/Sansk13/StopWatch

TECHNICAL SKILLS

Languages: Java, C++, JavaScript, Python, HTML, CSS, SQL
Frameworks: ReactJS, NextJS, MongoDB, Tailwind, Redux Toolkit, Flask
Tools: Power BI, VS Code, Visual Studio, PyCharm, IntelliJ
Certifications: NPTEL, Bits and Bytes of Computer Networking (Google, 2024),Data Visualisation: Empowering Business With Effective Insights

ACHIEVEMENTS

Led a team to secure First place in the 2024 Firefox Expedition Programming Competition, organized by the Firefox Club of VIT Bhopal.

Contributed to website optimization by reducing re-renders and minimizing bundle size using React.

Solved over 100+ problems on LeetCode. Link

CO-CURRICULAR ACTIVITIES

Earned the First Position in the Music Category at the 2022 Talent Show.

Won first place in the music competition at the district level.