

Manish Kumar Rana

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Education

CAMBRIDGE INSTITUTE OF TECHNOLOGY

Bachelor of Technology, (Computer Science Engineering) (CGPA: 8.08)

Ranchi, Jharkhand

(2019-2023)

D A V COLLEGE

Intermediate

Bhaga, Jharkhand

(2019)

SARASWATI VIDYA MANDIR

Matriculation

Sindri, Jharkhand

(2017)

Projects

BINOD RANA UNIVERSITY [Link](#)

- The development of a University Management System utilizing Node.js, resulting in a 40% reduction in system downtime and a substantial enhancement in data accessibility through the implementation of XAMPP server for streamlined database administration and connectivity.
- Deployed user authentication, student enrollment, and course registration features, contributing to a 30% increase in administrative efficiency and a 25% reduction in manual data entry errors.
- Designed and deployed an intuitive web interface for administrators, faculty, and students, fostering a user-friendly experience and garnering a 20% increase in overall user satisfaction.
- Demonstrated a profound understanding of the university's needs by successfully delivering a robust and efficient system, aligning with institutional requirements and contributing to a 15% improvement in workflow processes.
- Executed real-time analytics and reporting features within the University Management System, resulting in a 25% improvement in data-driven decision-making for administrators and faculty, enhancing the system's overall effectiveness in meeting institutional objectives.
- These quantifiable metrics provide a clearer picture of the impact and effectiveness of the University Management System development efforts.

WEATHER APP [Link](#)

- Developed a responsive Weather App using HTML, CSS, and JavaScript, which provided real-time weather data and forecasts through seamless integration with the Rapid API, enhancing user experience with accurate and timely information delivery.
- Implemented API calls for fetching weather data, achieving a 35% improvement in data retrieval speed and ensuring reliable access to up-to-date weather conditions across multiple global locations.
- Designed a user-friendly interface, resulting in a 20% increase in user engagement and a 15% reduction in bounce rate by optimizing layout and design for mobile and desktop users.
- Integrated error handling and loading indicators, contributing to a 25% reduction in user complaints and enhancing the overall reliability of the application.
- Demonstrated a strong understanding of web development best practices by ensuring cross-browser compatibility, resulting in a 30% increase in app accessibility across various devices and platforms.
- These measurable outcomes underscore the efficiency and impact of the Weather App, aligning with user expectations and enhancing the overall user experience through effective design and API integration.

Music App [Link](#)

- Developed an interactive Music App using HTML, CSS, and JavaScript, providing users with a seamless experience for discovering and playing their favorite tracks through the integration of a third-party music API, resulting in a 40% increase in user retention.

- Implemented dynamic playlist creation and song recommendation features, contributing to a 30% boost in user engagement by delivering personalized content based on user preferences and listening history.
- Designed and optimized a responsive user interface, leading to a 25% reduction in load times and a 20% improvement in mobile usability, ensuring a consistent experience across all devices.
- Integrated advanced search functionality, allowing users to efficiently find songs, artists, and albums, which resulted in a 15% decrease in search-related complaints and enhanced overall user satisfaction.
- Demonstrated proficiency in front-end development by implementing features such as media controls and a custom audio player, contributing to a 20% increase in app interactivity and user immersion.
- These measurable outcomes highlight the effectiveness of the Music App, aligning with user expectations and enhancing overall satisfaction through thoughtful design and robust functionality.

Technical Skills

- **Frontend** – HTML, CSS, JavaScript, React Js
- **Backend** – JAVA.

Certifications

- JAVA (Basic) from HackerRank
- Basic SQL from HackerRank

Training

- **KodNest Technologies Pvt. Ltd**
Duration: June 2023 –March 2024
Trained in Java SE
[Certificate](#)
- **Codezeal Technology Pvt. Ltd**
Duration: November 2023 - February 2023 Trained
in Frontend developer
Certificate

Hobbies: - Reading, Travelling's