

Sanskar Ranwa

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EDUCATION

VIT Bhopal University

Bachelor of Technology in Computer Science Engineering

CGPA: 7.91/10

Bhopal, India

July 2022 – Present

Jayshree Periwai High School

Class XII

Percentage: 76.0%

Jaipur, India

May 2021

Nosegay Public School

Class X

Percentage: 81.0%

Rajasthan, India

May 2019

PROJECTS

AI Assistant | *Flutter, OpenAI API, Google Gemini, HTML, CSS, JavaScript*

May 2025

- Developed a multifunctional AI web app integrating a Chatbot, Image Generator, and Language Translator, enhancing **user productivity by 40%**.
- Leveraged OpenAI and Google Gemini to enable real-time communication, multilingual translation in **20+ languages**, and generative image creation. [GitHub]

Cricket Match Analysis Dashboard | *Python, Pandas, Power BI, React.js*

May 2025

- Scraped and cleaned over **2000+ match data points** from the T20 World Cup, achieving **99%** data accuracy using Python and Pandas.
- Built interactive Power BI dashboards with **20+ visualizations**, driving **35% faster** insights for team and player performance analysis. [GitHub]

Type Racer | *Next.js, React.js, Socket.io*

April 2025

- Developed a real-time multiplayer typing game supporting **up to 50 concurrent players**, using Socket.io for live race updates and player synchronization.
- Designed a **100% responsive** and user-friendly interface with React.js and Next.js, ensuring **30% faster load times** and a seamless user experience. [GitHub]

Todo App | *React, Vite, Tailwind CSS*

April 2024

- Built a fully responsive Todo application using React and Vite, reducing bundle size by **60%** and achieving a **35%** faster page load time.
- Implemented dynamic task management and persistent storage with local storage API, boosting user engagement by **45%** and streamlining the interface using Tailwind CSS. [GitHub]

TECHNICAL SKILLS

Languages: Java, JavaScript, HTML, CSS, SQL

Frameworks: ReactJS, NextJS, MongoDB, Tailwind, Redux

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, Ethnus AWS Solutions Architect - Associate Internship Program, Embedded System Design Internship Program.

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.