

SAHINI VENKATA SITARAM SRUTI

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EDUCATION

Indian Institute of Technology Patna

Bachelor of Technology in Chemical and Biochemical Engineering

CPI - 7.85

2021-2025 (Expected)

FIITJEE Junior College

Class 12th, Andhra Pradesh Board of Intermediate Education

Percentage - 96.2%

2018-2020

Timpany Senior Secondary School

Class 10th, Central Board of Secondary Education

Percentage - 92%

2017-2018

TECHNICAL SKILLS

Languages: C, C++, HTML, CSS, JavaScript(Basics), Python

Developer Tools: VS Code, Github, Canva

Courseworks: Introduction to Data Science, Programming and Data Structures

Soft Skills: Management skills, Teamwork, Creativity, Effective Messaging

PROJECTS

Contact Manager App | *HTML, CSS, Javascript, ReactJS*

Github

- Utilized React to create an adaptable user interface, employing functional components and hooks such as useState and useEffect to facilitate smooth data management and state control.
- Implemented resilient data persistence techniques, integrating the "uuid" library to ensure secure storage of user-entered contacts even during page reloads.
- Devised an instinctive deletion functionality, incorporating confirmation dialogs to provide users with a hassle-free and safeguarded contact management experience.

Tic Tac Toe | *HTML, CSS, Javascript*

Github

- Implemented Tic Tac Toe game using a 3x3 grid, players alternate marking X or O in empty squares. Objective is to form a line of three marks in a row, column, or diagonal.
- Incorporated draw detection functionality, turning the entire board red to indicate a draw game, improving user experience and ensuring clarity in game outcome.
- Demonstrated proficiency in front-end web development, event handling, and DOM manipulation.

Indian Railway Announcement System | *Python*

Github

- Created a robust Railway Announcement Software using Python, PyAudio, Pydub, and gTTS API, ensuring accurate text-to-speech conversion.
- Optimized audio play and record functionalities across various platforms
- Enabled 50% faster announcement scheduling for 1,000+ stations with scalable dataset management and seamless expansion.
- Implemented scalability to handle large datasets, enabling efficient management of train announcements .

ACHIEVEMENTS

Inter IIT Tech Meet

2022

- Represented IIT Patna in the **Engineer's Conclave-IITK** event during the Inter IIT Tech Meet.
- IIT Patna has achieved 7th position among all the IIT's.

Coding Achievement

2022

- Solved 200+ Problems on various coding platforms like **Leetcode** and **Geeksforgeeks**

LEADERSHIP / EXTRACIRICULAR

Creative and Design, Infinito

2022

Sub-Coordinator

Creative and Design, Chemical Engineering Students Society Club

2022

Sub-Coordinator

Flagship, Celesta

2022

Sub-Coordinator

National Service Scheme (NSS)

2021-2022

Volunteer