



Saraf Abhinav Bala

Roll No.: 23CSB0A33

Bachelor of Technology(B.Tech)

Computer Science and Engineering

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EDUCATION

- **National Institute of Technology, Warangal** 2023-2027
Computer Science And Engineering CGPA : 8.06
- **Sri Guru Junior College** 2023
Board of Intermediate Education, Telangana Percentage: 98.2
- **Galaxy High School** 2021
Board of Secondary Education, Telangana CGPA : 10

PERSONAL PROJECTS

- **AI CHATBOT** Jun 2025
Full-stack chatbot using GeminiAI API, Clerk Auth, and MERN stack
 - **Tech stack:** React.js (Vite), React Query, Node.js, Express.js, MongoDB, GeminiAI API, Clerk (Auth), CSS Framestyle
 - Developed a ChatGPT-style full-stack chatbot with Clerk authentication, secure session handling, and MongoDB persistence for chat history.
 - Built custom Express.js APIs to integrate GeminiAI API and stream real-time responses, demonstrating strong API design and scalability.
 - Designed a responsive frontend with CSS Framestyle, ensuring clean UI and user-focused experience.
- **Weather App** May 2025
Live weather application using JavaScript and OpenWeatherMap API for real-time updates
 - **Tech stack:** HTML, CSS, JavaScript, OpenWeatherMap API
 - Fetches and displays real-time weather by city or geolocation with robust error handling and dynamic UI.
- **Hospital Management System** Apr 2025
MySQL-based database management project for hospital operations
 - **RDBMS used:** MySQL
 - Designed and implemented a centralized MySQL database to manage patient records, appointments, staff details, and billing workflows.
 - Normalized tables to reduce redundancy and improve query performance and data integrity.
 - Created relational schemas and constraints to ensure consistent and accurate data entry across departments.
 - Simulated real-world use cases through sample queries and triggers for operational automation.
- **Tic Tac Toe Game** Jul 2024
Console-based C++ project to strengthen programming fundamentals
 - **Tech stack:** C++
 - Built a two-player Tic Tac Toe game with modular functions, input validation, and clear game-over conditions.

TECHNICAL SKILLS AND INTERESTS

Languages: C++ , Java , R , JavaScript , HTML , CSS

Soft Skills: Communication Skills, Problem Solving Skills

Developer Tools: Git , Github , VsCode

Frameworks: React.js , Express.js , Bootstrap

Cloud/Databases: MySQL , Oracle SQL, MongoDB

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems

Areas of Interest: Web Development , Problem Solving , Data Structures

POSITIONS OF RESPONSIBILITY

- **Member, Web Development Faction – Software Development Club** Present

ACHIEVEMENTS

- **Maintaining a LeetCode streak of 380+ days and holding 18 LeetCode badges** Present
- **Solved 800+ problems on LeetCode, overall 1000+ problems on various coding platforms** Present
- **JEE Mains 2023: AIR 4276 out of 13 Lakh Candidates** 2023
- **TS EAMCET 2023: Rank 1147 out of 3 Lakh Candidates** 2023