SANDEEP SAI BODA

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EDUCATION

Vellore Institute of Technology, B.Tech in Computer Science and Engineering	2021 – 2025
Narayana Junior College	2019 – 2021
Kendriya Vidyalaya Warangal	2009 – 2019

SKILLS

Languages: Java, JavaScript, TypeScript
Frontend: React.js, Next.js, Vite, HTML, CSS, Tailwind CSS, Chrome Extension(Manifest V3)
Backend: MySQL,MongoDB, REST APIs,PostgreSQL, IndexedDB, Firebase
AI Stack: OpenAI API, Gemini API, Prompt Engineering, Context-Aware Model Integration
Tools : Git, GitHub, Clerk Auth, Vercel Deployment

PROJECTS

LeetCode Whisper – AI Coding Assistant Chrome Extension   [GitHub]

- Developed a Chrome Extension using React 18, TypeScript, and Vite, integrating OpenAI GPT-4 and Gemini 2.0 for real-time LeetCode assistance through a plugin-based model architecture achieving 95% code reusability.
- Engineered an intelligent code analysis system that extracts problem constraints and test cases from the LeetCode DOM, delivering contextual AI hints and language-specific code generation with 85% solution accuracy.
- Built an adaptive context pipeline tracking problem-solving history and user skill progression, with an IndexedDB caching system that reduced API costs by 70% while supporting personalized assistance across 2400+ problems.

MockPro-AI – AI Interview Platform   [Link]

- Developed a realistic AI-driven mock interview platform using Next.js and Gemini AI, enabling interview simulations.
- Integrated PostgreSQL with Drizzle ORM to store user responses, performance analytics, and real-time feedback.
- Implemented secure authentication using Clerk, achieving 100+ successful simulated sessions with a 90% completion rate.
- Role: Designed full-stack architecture, handled backend integration, and deployment.

MoviezAddict – Online Movie and TV Series Streaming Platform   [Link]

- Developed a high-performance streaming platform using React.js and VidSRC API, enabling seamless playback of movies and TV shows.
- Improved API response efficiency by 30% through user-level caching and implemented fallback routing to ensure 99.9% uptime.
- Role: Frontend development, optimized API calls, and deployed to production.

INTERNSHIPS

Frontend Intern – VigorusAI   May – July 2025

- Contributed to the development of a hospital administration and EMR management system, enhancing modules for patient records, doctor scheduling, and electronic medical reports.
- Conducted client meetings to gather feature requirements, provided technical suggestions, and delivered updates aligned with real-time feedback.
- Collaborated with the backend team to integrate and test REST APIs, debugging and refining data flows for seamless frontend–backend communication.
- Identified and resolved critical UI bugs and performance issues, improving application stability and responsiveness for production deployment.

HACKATHONS AND EXTRA-CURRICULARS

- Participated in Yantra Hackathon, contributing to an emotion-based music suggestion website.
- Provided technical services for *Bulls and Bears*, a stock market club at VIT.