Sanjay Balam
Undergraduate
CBIT, Hyderabad

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EDUCATION

Degree	Specialization	Institute	Year	CGPA
B.Tech	*Electronics & Communication Eng*	CBIT - Hyderabad	2020-2024	8.5
Inter	*Physics, Chemistry, & Mathematics*	Narayana College	2018-2020	9.5
SSC	-	Narayana School	2017-2018	9.3

TECHNICAL SKILLS

- **Languages:** C, C++, SQL, Data Structures and Algorithms, OOPS, JavaScript(Node.js)
- **Tools:** VS Code, Git, GitHub, Docker, Postman, LaTeX
- **Frameworks:** Express, Next.js, React.js, Tailwind, Shadcn
- **Databases:** MYSQL, MongoDB, PostgreSQL, Prisma(ORM)

WORK EXPERIENCE

- **Software Intern and full time** *[Venkys.io]* *June-Oct 2024*
  - **Coordinated in a team of two** to develop a **VS Code extension** that automates **JDK** downloads to the local machine, including functionality to update the **environment variables** by adding the **bin path**.
  - **Implemented REST APIs** for backend services in **Node.js** projects, optimizing request handling, improving response times, and ensuring secure, scalable communication between system components.

- **Software Developer Intern** *[Vectorsoft]* *Nov-present 2024*
  - **Coordinated in a team project** to develop and maintain a web application, focusing on building dynamic features and fixing high-priority bugs. Utilized **Next.js, TypeScript, TailwindCSS, ShadCN UI, and React Forms** for frontend development, incorporating **Atoms** for efficient state management.

PROJECTS

- **Paytm Web App: Secure Money Transfer** | Live Link *Jan-Feb 2024*
  - **Developed a full-stack** money transfer application inspired by **Paytm**, enabling secure transactions between users. The app features a React front-end for a smooth user experience, with a **Node.js** and Express back-end handling transaction logic. **MongoDB** ensures efficient data storage, while **JWT**-based authentication secures user access. Middleware was implemented for **request validation**
  - **Key Skills:** MongoDB, React, Node.js, Express, JSON Web Tokens (JWT), Zod validation, middleware
  - **Project Code:** https://github.com/Sanjay-Balam/End-To-End-PayTM-app
- **SAAS Platform** | Live Link *Apr-June 2024*
  - **Developed a SaaS platform** enabling users to create and manage **personalized song queues** with streamlined functionality. Leveraging **OAuth** via **Google Authentication**, users can securely log in, curate playlists, and engage with an **interactive voting system** that dynamically prioritizes tracks based on popularity. The platform also features playlist sharing capabilities, fostering a community-driven music experience. Designed with an emphasis on responsive user interface.
  - **Key Skills:** NEXT.js, Typescript, Prisma (ORM), Postgresql, Google Authentication
  - **Project Code:** https://github.com/Sanjay-Balam/SongCraft
- **Room Chat Application** *Aug-Sep 2024*
  - **Developed a real-time Room Chat Application** using WebSockets, React, TypeScript, and Express to enable seamless communication in dynamic chat rooms. Users can create or join rooms via unique IDs, with **real-time messaging** powered by WebSockets for **low-latency** interaction. The Express backend efficiently manages connections and room data, while the React frontend ensures a responsive, type-safe user interface. This project showcases expertise in **real-time communication**.
  - **Key Skills:** Typescript, Websockets, React.js, Express
  - **Project Code:** https://github.com/Sanjay-Balam/Real-time-chat-app

ACHIEVEMENTS AND CERTIFICATES

- Solved 400+ DSA Problems on platforms like Leetcode, GFG, Hackerrank | Leetcode profile
- 5 star on Hackerrank problem solving in C++
- **Data Structures and Algorithms** : GeeksforGeeks