Harsh Aditya

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EDUCATION

VIT Bhopal University, Bhopal	**2022 – Present**
B.Tech - Computer Science and Engineering with specialization in Gaming Technology	*GPA: 8.49*
Delhi Public School, Bokaro	**2019 – 2021**
Higher Secondary School, CBSE Board	*Percentage: 87.4%*
St.Xavier's School, Sahibganj	**2007 – 2019**
Senior Secondary School, ICSE Board	*Percentage: 90.4%*

COURSEWORK / SKILLS

- Amazon Web Services(AWS)
- Computer Networks
- Data Structures
- Algorithms
- DBMS
- OOP
- SQL

TECHNICAL SKILLS

Languages: C, C++, Java, JavaScript, Python.
Technologies/Frameworks: HTML5, CSS, ReactJS, NextJs, ThreeJS, Tailwind CSS.
Tools: Git, Github Actions, Visual Studio Code.

PROJECTS

College Club Website ⬀ | NextJS　　　　　　　　　　　　　　　　　2025

- Digitized event registration by **replacing manual processes with an automated system**, reducing errors and **saving up to 80% of time for students and organizers.**
- Developed a centralized, user-friendly event management platform featuring **accessible schedules, real-time updates, and streamlined navigation, boosting event participation by over 60%**

MedSync - Smart Hospital Management System ⬀ | ReactJS, NodeJS, ExpressJS　2025

- Enhanced hospital operational efficiency by implementing real-time queue tracking, digital registration, and live bed status monitoring, resulting in a **60% reduction in OPD wait times** and a **70% improvement in bed management efficiency.**
- Improved **resource utilization** by introducing **automated inventory management with stock alerts, expiry tracking, and analytics, optimizing supply usage by 50%** and ensuring consistent availability of critical medical resources.

Music Player System ⬀ | Java and DSA　　　　　　　　　　　　　　　2024

- Designed and implemented a music player system with core functionalities: **playlist creation, song search, addition, and deletion**.
- Utilized **doubly linked lists, stacks, and queues**, achieving fast and scalable operations for a seamless user experience.

EXTRA CURRICULAR ACTIVITIES

- Poster Presenter at 1st Industry Conclave 2024
- Technical Lead, Hindi Club, VIT Bhopal.
- Programming Team Member, VITronix Club, VIT Bhopal.
- Cricket Team player in Aarambh and Advitya Sports Festival.

CERTIFICATES & ACHIEVEMENTS

- **Winner:** Poster Presentation at the First Industry Conclave 2024, VIT Bhopal.
- **Certified:** Fundamentals of AI and ML (Vityarthi).
- **Certified:** Cyber Security Analyst (IBM).
- **Certified:** Generative AI (IBM).
- **Certified:** Cyber Physical Systems (NPTEL).
- **Published 5 books:** True Words, The Boards' Year, Beautifully Broken, and A Look at Life, Unsaid GoodByes.