

HARSH ADITYA

Sahibganj, Jharkhand

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EDUCATION

VIT Bhopal University, Bhopal

2022 – Present

B.Tech - Computer Science and Engineering with specialization in Gaming Technology

GPA: 8.50

COURSEWORK / SKILLS

- Data Structures and Algorithms
- SQL
- OOP
- DBMS

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

- Replaced manual registration with an **reducing errors and saving up to 80%**, of time for students and organizers.
- Created a **centralized hub** to display all event details—timings, venues, descriptions, and updates—enhancing clarity and accessibility.
- Designed a **user-friendly interface** for quick navigation and instant access to registrations, increasing event participation by over 60%.

MedSync - Smart Hospital Management System [🔗](#) | [ReactJS](#), [NodeJS](#), [ExpressJS](#)

2025

- Reduced **OPD waiting time by up to 60%** through real-time queue tracking, digital registration, and online appointment scheduling, enhancing patient flow and satisfaction.
- Improved **bed management efficiency by 70%** using live bed status monitoring, emergency allocation, and smart filtering for critical care response.
- Optimized **inventory usage by 50%** with automated stock alerts, expiry tracking, and usage analytics, ensuring consistent supply of essential 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.

CODING PLATFORMS

- * Solved **300+** Problems on **Coding Ninjas**. [🔗](#)
- * Solved **100+** Problems on **GeeksForGeeks**. [🔗](#)

EXTRA CURRICULAR ACTIVITIES

- Poster Presenter at 1st Industry Conclave 2024
- Technical Lead, Hindi Club, VIT Bhopal.
- Programming Team Member, VITronix Club, VIT Bhopal.
- Schnider Electric Coding Round 2

CERTIFICATES & ACHIEVEMENTS

- **Winner:** Poster Presentation at the First Industry Conclave 2024, VIT Bhopal
- **Certified:** Python Essentials (Vityarthi)
- **Certified:** Fundamentals of AI and ML (Vityarthi)
- **Participation:** Android Club Front-End Sprint
- **Published 4 books:** True Words, The Boards' Year, Beautifully Broken, and A Look at Life