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: 8.49*

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: Python, Java, SQL, JavaScript, C++, C.
Technologies/Frameworks: ReactJS, NextJS, NodeJS, AWS, Git, Github Actions, HTML/CSS.
Tools: Git, Github Actions, Visual Studio Code.

PROJECTS

College Club Website ⤢ | NextJS   **2024**

- Engineered an automated workflow solution that replaced a legacy, manual registration process, improving data integrity and **driving an 80% reduction in processing time for users and administrators.**
- **Deployed a centralized data** and communications platform that provided end-users with real-time updates and a streamlined UI, **resulting in a 70% increase in user engagement** and platform adoption.
- Integrated real-time updates and event management features, **increasing member participation by 70%** through an intuitive interface that keeps users informed about events, workshops, and project milestones.

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

- Implemented a mission-critical system for **real-time data ingestion** and monitoring, enabling data-driven decision-making that **reduced client wait times by 60%** and **improved asset management efficiency by 70%.**
- Designed and deployed an automated inventory and resource management module with integrated analytics and alerting, **mitigating operational risk** and optimizing **resource allocation by 50%.**
- These initiatives streamlined patient flow, minimized delays, reduced wastage, and **strengthened hospital readiness—boosting overall operational performance** and patient satisfaction.
- **Minimized medical supply wastage** and **stockouts** through proactive inventory monitoring and timely replenishment processes, supporting consistent and high-quality patient care.

EXTRA CURRICULAR ACTIVITIES

- **Industry Conclave 2024:** Achieved first place in the 2024 Industry Conclave poster presentation by successfully leading a collaborative team effort from concept to final presentation.
- **Technical Lead:** Led a team in managing technical projects, improving communication and project management skills.

CERTIFICATES & ACHIEVEMENTS

- **Winner:** Led a team to secure the first place in the poster presentation of the 2024 Industry Conclave.
- **Certified:** Cyber Security Analyst (IBM).
- **Certified:** Generative AI (IBM).
- **Certified:** Cyber Physical Systems (NPTEL).
- **Published 5 books:** Demonstrating exceptional discipline, long-term project execution, and superior written communication skills essential for a client-facing role.