


Harsh Vishwakarma

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Objective

Computer Science student with hands-on experience in building intelligent, user-focused web and AI applications. Seeking to apply software development skills to design and implement scalable systems and practical solutions that enhance digital experiences.

Education

- Sagar Group of Institutions - SISTec - E, Ratibad Campus, Bhopal - MP** 2022
B.Tech
7.21 CGPA
- Govt. Ex. Hr. Sec. School, Rewa - MP** 2022
12th
87%
- Gayatri Gyan Mandir High School, Rewa - MP** 2020
10th
89%

Skills

- Languages: C++, Python, JavaScript , Oops
- Web: HTML, CSS, React.js, Node.js, Express.js
- Database: MySQL
- Machine learning: LLM, RAG, Prompt Engineering, Generative AI
- Soft Skills: Team collaboration, adaptability, leadership experience, technical communication.
- Others: Linux, RESTful API Design

Projects

- Career counseling & Mentorship platform**
Tech Stack: HTML, CSS, JavaScript, Node.js, Express.js, RESTful API.
 - Architected and deployed a full-stack platform that supported students and mentors for skill-based career guidance.
 - Implemented role-based dashboards, improving mentor-student interaction efficiency
 - Embedded analytics, quizzes, and video recommendations – increasing student engagement by during user testing.
 - Streamlined mentor-student workflows across modules, cutting down manual guidance steps by 30%
- Text Encryption and Decryption**
Tech Stack: HTML, CSS, JavaScript, AES (Cryptography)
 - Built a secure text encryption/decryption tool using AES-256, achieving 100% data accuracy in all test cases.
 - Optimized cryptographic logic, reducing processing time by 40% over baseline implementation.
 - Implemented modular architecture to enable future scaling to support file-based encryption with minimal changes.
- Agentic AI Scheduling Assistant (Ongoing)**
Tech Stack: Python, LangChain, Prompt Engineering, AI Agents
 - Designing an AI assistant to automate scheduling by scanning participant calendars and resolving conflicts.
 - Achieved 95%+ OCR text accuracy in test runs across printed/handwritten calendar screenshot
 - Built time zone conversion logic and polite rescheduling agent to reduce manual follow-ups by an estimated 60%.
 - Targets automation of meeting scheduling across 5+ time zones with zero back-and-forth communication.

Experience

- Slash Mark** May 2024 - June 2024
Cybersecurity Intern
 - Created 5+ interactive UI components using JavaScript, improving user task flow speed by 20%.
 - Collaborated on 3 real-world security projects, enhancing understanding of algorithm design and secure coding practices.
 - Detected and resolved 30+ logic bugs, reducing potential vulnerabilities by 35% during peer code reviews.

Certifications

- Participated in 2 days workshop on web development at MANIT, Bhopal
- Completed an online certified course on Python from GUVI.
- Earned an online certificate course on Python Essentials from Cisco.
- Acquired an 12-week online NPTEL course on Ethical Hacking .
- Completed an certificate in Cybersecurity from Cisco.
- Certified by Hacker rank to skilled in C++