RUTUJA JADHAV

rutujajadhav0401@gmail.com | +918446051417

[LinkedIn](#) | [GitHub](#)

SUMMARY

M.Sc. Computer Science student at MIT-WPU with a strong foundation in advanced SQL and Python, and a passion for data engineering. I have proven problem-solving abilities, demonstrated by securing 3rd place (out of 90+ teams) and the 1st Appreciation Prize at the HackMIT'25 IDEATHON for an innovative solution. I am eager to apply my database management and programming skills to build efficient data solutions.

SKILLS

- **Languages:** Java, C++, Python, JavaScript.
- **Frontend:** HTML, CSS, Bootstrap.
- **Backend:** PHP.
- **Database:** MySQL, MongoDB.
- **Tools & Platforms:** Git, GitHub.

EDUCATION

MIT World Peace University, Pune   **2024 - 2026**
- MSC (Computer Science) | CGPA: 8.34

C.M.C.S. College, Nashik   **2021 - 2024**
- BSC (Computer Science) | CGPA: 7.83

PROJECTS

Smart Traffic: [Link](#)
- Developed a real-time traffic management system using **Python, OpenCV** and the **YOLOv8 deep learning model** to analyze live video feeds and optimize traffic flow.
- Implemented adaptive signal logic that dynamically adjusts timings based on real-time vehicle counts, significantly reducing congestion and improving traffic efficiency compared to traditional static systems.

Smart Inventory: [Link](#)
- Developed a comprehensive inventory management system using **PHP, MySQL, HTML/CSS/JavaScript**, enabling **real-time tracking of 500+ products** with role-based access and low-stock alerts.
- Integrated Python-based predictive analytics, improving stock optimization accuracy by **30%** and reducing manual inventory tasks by **40%**.

Student's Space: [Link](#)
- Designed e-learning platform for **500+ students**, featuring course uploads, assignments, live sessions, and admin dashboards for centralized learning.
- Implemented secure authentication with hashed passwords, achieving **100% mobile responsiveness** and improving student engagement by **30%**.

ACHIEVEMENTS & CERTIFICATIONS

- **HackMIT'25 IDEATHON:** As **Team Leader**, secured **3rd Place** (Top 3% of 90+ teams) for **"Suraksha-Path,"** a concept for an AI/IoT system to create automated green corridors for ambulances.
- **HackerRank Certifications** ([Link](#))**:** Software Engineer Intern, SQL (Advanced).