Shreyash Lodhi

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EDUCATION

Madhav Institute of Technology and Science, *B.TECH in Information Technology(Artificial Intelligence and Robotics)* | Gwalior(M.P.) CGPA: 7.08 / 10.0 — 2021- 2025

New Jain Higher Secondary School, MPBoard, *Class 12th* | Vidisha(M.P.) Percentage: 85.2% — 2021

Trinity Convent Senior Secondary School, CBSE, *Class 10th* | Vidisha(M.P.) Percentage: 85.8% — 2019

EXPERIENCE

ACM Student Chapter, *Tech Team Member* | MITS Gwalior — Mar 2023 - Present

- Played a key role in organizing and executing various tech events, ensuring smooth operations and active participant engagement.
- Designed and managed coding competitions, fostering a competitive environment that encouraged skill development and innovative problem-solving among students.
- Developed and conducted coding quizzes, assessing and enhancing participants' programming knowledge and analytical abilities through challenging and interactive formats.

Qodeit Raipur, *Research Intern* | On-site (Raipur) — July 2024 - Aug 2024

- Conducted in-depth research on Artificial Intelligence and various Deep Learning models to develop innovative solutions.
- Specialized in Natural Language Processing (NLP), focusing on sentiment analysis and deception detection techniques.

SKILLS

Programming	Python, C/C++, HTML, CSS, JavaScript, ReactJS, MERN, SQL
Robotics	ROS2, Gazebo, Arduino, Sensor Fusion, PLC
Technical Skills	Artificial Intelligence, Machine Learning, Operating System, DBMS, Computer Networks, Robotics
Soft Skills	Time Management, Problem-solving, Documentation, Engaging Presentation, Leadership, On-site coordination.

PROJECTS

Robotic Arm – *4-Degree of Freedom* — March 2024 - May 2024

- 4-DOF Robotic Arm accurately sorts blocks by color using advanced sensors and algorithms.
- Advanced sensors ensure accurate color detection, improving sorting precision. The streamlined design allows for easy integration into existing workflows, boosting productivity.

Heart Disease Prediction Model – *Using Classification Algorithms* — Jan 2024 - May 2024

- Developed a heart disease prediction model using various classification algorithms, including logistic regression, decision trees, and random forests.
- Conducted data preprocessing, feature engineering, and model evaluation to enhance prediction accuracy.
- Achieved high accuracy and improved early diagnosis through comparative analysis of multiple classification techniques.

Face Detection Model - *Using OpenCV* — Jan 2024 - May 2024

- Developed and implemented a real-time face detection system using OpenCV, improving image processing efficiency and accuracy.
- Enhanced security features by integrating robust facial recognition algorithms, resulting in a 30% increase in detection precision.

Tours And Travels Booking Website – *Using ReactJs, Node Js, MongoDB* — May 2023 - Jun 2023

- The project leverages ReactJS for a dynamic, responsive front-end, offering users a seamless interface for booking tours and travels.
- Utilizing Node.js and MongoDB, the website ensures efficient data handling and storage, supporting real-time updates and secure transactions.

Certificates

Machine Learning Specialization, Coursera | DeepLearning.AI, Stanford University — 2024

ROBO AI, A 30+ day industrial training on robotics automation and software simulation with AI | Organized by MyEquation, Tech Analogy — 2024

Participated in 24-hours In-person Hackathon, AceHack 2.0 at UEM Jaipur — 2023

Runner-up in 7-Aside National Football Tournament, Indian Mini Football Association Madgaon, Goa) — 2018