

Harshit Soni

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EDUCATION

MBM University, Jodhpur _____ July 2022 - June 2026

Bachelor of Engineering (B.E.), Artificial Intelligence & Data Science

- **Aggregate CGPA:** 8.10 / 10.0

TECHNICAL SKILLS

- **Languages:** Python, C++, JavaScript, SQL
- **AI/ML & Data Science:** PyTorch, TensorFlow, Scikit-Learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn
- **Web Development:** React.js, Node.js, Flask, Django, Next.js, HTML/CSS, Beautiful Soup, Selenium
- **Databases:** MongoDB, MySQL
- **Developer Tools & Platforms:** Git, GitHub, Google Cloud Platform (GCP), MATLAB

PROJECT

1. **VisionMATE – Assistive Tech for Visually Impaired (SITE-2025 Hackathon)** _____ [\[Link\]](#)

- **Tech Stack:** Python, YOLOv5, PyTorch, OpenCV, Flask, React.js, JavaScript, HTML/CSS
- Built an AI-powered app (YOLOv5 + TTS + STT + voice commands) to aid visually impaired students.
- Achieved 50ms inference speed for real-time object detection; showcased at SITH 2k25 with strong feedback.

2. **Two-Wheeler Road Surface Classifier** _____ [\[Link\]](#)

- **Tech Stack:** Python, TensorFlow, Keras, EfficientNetV2, ConvNeXt-T, Scikit-learn, Pandas
- Developed EfficientNetV2-based model to classify road surfaces with 93% accuracy on Raspberry Pi.
- Optimized inference speed and addressed dataset imbalance for reliable safety alerts.

3. **Crisis-Management Platform (SITE-2024 Hackathon)** _____ [\[Link\]](#)

- **Tech Stack:** JavaScript, HTML/CSS, EJS, Node.js, Express.js, MongoDB, TensorFlow.js
- Led a team of 6 to build an AI-based fire detection & crisis monitoring tool (95% accuracy).
- Integrated IP camera feeds & weather API, improving situational awareness by 50%.

4. **React Job Website** _____ [\[Link\]](#)

- **Tech Stack:** React.js, Vite, Tailwind CSS, JavaScript, JSON Server
- Developed a responsive job portal using React.js featuring functionalities for browsing, searching, and managing listings.
- Implemented full CRUD operations with a JSON Server backend and utilized Tailwind CSS for a clean, modern user experience.

Additional Projects: Object Detection Model (84% accuracy), Gender Detection Model (98% accuracy), Self-Driving Car Simulator.

EXPERIENCE

1. **AI Architect & Project Lead Intern | AIPlaneTech | Feb 2025 - June 2025** _____ [\[Link\]](#)

- Led and conducted two hands-on AI workshops, training 20+ participants on AI, ML, NLP, and Image Processing fundamentals.
- Architected and deployed full-stack solutions using Google Cloud Platform (GCP), setting up scalable infrastructure, DevOps pipelines, and cloud storage services.
- Spearheaded multiple AI-driven projects including a RAG System for domain-specific question answering and a Visual Question Answering System.

2. **R&D Intern - Robotics | RoboAi Hub | June 2024 - July 2024** _____ [\[Link\]](#)

- Developed advanced robotics projects including line followers, robotic hands, and Bluetooth-controlled multifunctional cars.
- Gained expertise in IoT, wireless communication, and PCB design, using ESP32, Arduino, Raspberry Pi, and various sensors.

3. **Artificial Intelligence & Machine Learning Intern | Nexus-Info | May 2024 - June 2024** _____ [\[Link\]](#)

- Built Q&A chatbot bot for college admissions with contextual understanding and real-time backend integration.
- Developed a disease prediction system using AI&ML, focusing on data preprocessing, feature selection, and model optimization.

AWARDS & LEADERSHIP

- **The 100 Days of Code: The Complete Python Pro Bootcamp | Dr. Angela Yu, Udemy | Nov. 2024** _____ [\[Link\]](#)
 - Mastered Python, Data Science, and Web Development through 100+ hands-on projects.
- **Certificate of Excellence in Robotics | ESRC-MBM | Summer 2023** _____ [\[Link\]](#)
 - Awarded for outstanding performance in a workshop where I led a team of 5 to build multiple robotics and IoT-enabled devices.
- **Coordinator | TechKriti MBM | MBM, Jodhpur** _____ [\[Link\]](#)
 - Oversaw a team of 6 members to design promotional materials and manage event logistics for the university tech fest.
- **Top 5 Performer | GDSC | MBM, Jodhpur** _____ [\[Link\]](#)
 - Recognized for performance at a Google Summer of Code (GSoC) workshop.
- **Volunteer | Khelo MBM | MBM, Jodhpur** _____ [\[Link\]](#)
 - Contributed to the execution of the annual sports event with over 5,000 attendees.