

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, NumPy, Pandas, Matplotlib, Seaborn
- **Web Development:** React.js, Node.js, Next.js, HTML/CSS, Flask, Django, Beautiful Soup, Selenium
- **Databases:** MongoDB, MySQL, Cloudinary
- **Developer Tools & Platforms:** Git, GitHub, Google Cloud Platform (GCP), Vercel

PROJECT

1. **VisionMATE – Assistive Tech for Visually Impaired (SITE-2025 Hackathon)** [\[GitHub\]](#)
 - **Tech Stack:** Python, JavaScript, React.js, Flask, YOLOv5, PyTorch, OpenCV
 - 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** [\[GitHub\]](#)
 - **Tech Stack:** Python, TensorFlow, Keras, Scikit-learn, Pandas
 - Developed LSTM-based model to classify road surfaces with 93% accuracy.
 - Optimized inference speed and addressed dataset imbalance for reliable model performance.
3. **Crisis-Management Platform (SITE-2024 Hackathon)** [\[GitHub\]](#)
 - **Tech Stack:** Python, JavaScript, Flask, TensorFlow, Keras, NumPy, OpenCV, HTML/CSS
 - 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. **Portfolio Website** [\[Live Link\]](#)
 - **Tech Stack:** JavaScript, Next.js, Tailwind CSS, ShadCN UI, MongoDB, NextAuth.js, Cloudinary, Vercel
 - Built a modern full-stack portfolio with an admin panel for secure content management (CRUD, authentication, image upload).
 - Implemented responsive design, SEO optimization, achieving 90+ Lighthouse scores across metrics.

Additional Projects: [Gender Detection Model \(98% accuracy\)](#), [Self-Driving Car Simulator](#), [RAG-ChatWithWebsite](#), [React-Job-Website](#), [Disease-Prediction-System](#), [QR-Code-Generator](#), [7-Personal-Minor-Projects](#), and many more.

EXPERIENCE

1. **AI-ML Project Intern | AIPlaneTech | Feb 2025 - June 2025** [\[Live Link\]](#)
 - Led and conducted two hands-on AI workshops, training 20+ participants on AI, ML, NLP, and Image Processing fundamentals.
 - Spearheaded multiple AI-driven projects including a RAG System for domain-specific question answering and a Visual Question Answering System Using Gemini API.
 - Designed and developed AIPlaneTech's official website; managed hosting, deployment, and infrastructure on GCP.
2. **R&D Intern - Robotics | RoboAI Hub | June 2024 - July 2024** [\[GitHub\]](#)
 - 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** [\[GitHub\]](#)
 - 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** [\[GitHub\]](#)
 - Mastered Python, Data Science, and Web Development through 100+ hands-on projects.
- **Certificate of Excellence in Robotics | ESRC-MBM | Summer 2023** [\[GitHub\]](#)
 - 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** [\[Drive Link\]](#)
 - 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** [\[Drive Link\]](#)
 - Recognized for performance at a Google Summer of Code (GSoC) workshop.
- **Volunteer | Khelo MBM | MBM, Jodhpur** [\[Drive Link\]](#)
 - Contributed to the execution of the annual sports event with over 5,000 attendees.