

# 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)** [\[Live Link\]](#) [\[GitHub\]](#)
  - **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** [\[Live Link\]](#) [\[GitHub\]](#)
  - 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.

## LEADERSHIP & ACHIEVEMENTS

- **The Complete Full-Stack Web Development Bootcamp | Dr. Angela Yu, Udemy | Oct. 2025** [\[GitHub\]](#)
  - Mastered Web Development, including React, Express.js, Node.js, Web3, and NFT/token logic, through 32+ hands-on projects.
- **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.
- **Top 5 Performer | GDSC | MBM, Jodhpur** [\[Drive Link\]](#)
  - Recognized for performance at a Google Summer of Code (GSoC) workshop.
- **Coordinator, TechKriti & Volunteer, Khelo MBM | MBM, Jodhpur** [\[Drive Link\]](#)
  - Led a 6-member team to design promotional materials and manage logistics for the university tech fest.
  - Assisted in the execution of the annual sports event, attended by over 5,000 people.