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.

AWARDS & LEADERSHIP
- **The Complete Full-Stack Web Development Bootcamp | Dr. Angela Yu, Udemy | *Oct. 2025*_____ [*GitHub*]**
  - Mastered Python, Data Science, and Web Development through 100+ hands-on projects.
- **The 100 Days of Code: The Complete Python Pro Bootcamp | Dr. Angela Yu, Udemy | *Nov. 2024*_____ [*GitHub*]**
  - Mastered Web Development, including React, Express.js, Node.js, Web3, and NFT/token logic, through 32+ 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.