

JAI DHINGRA

☎ +91 8279217748 ✉ jaidhingra402@gmail.com [linkedin.com/in/jai-dhingra](https://www.linkedin.com/in/jai-dhingra) github.com/jaidh01

Education

Jecrc Foundation

B.Tech (Artificial Intelligence & Data Science) - CGPA: 7.09

November 2022 - Present

Jaipur, Rajasthan

Training / Internship

Machine Learning Intern

Build a Yoga Pose Detection system for a mobile application

June 2024 - August 2024

Remote

3D Designing Training - Aeromech Engineers

Learned SolidWorks and techniques to build 3D Designs

July 2023 - September 2023

Jaipur, Rajasthan

Projects

Vision Vault | Python, ESP-32, Gemmini Vision, Flask, OpenCV

December 2024

- Developed a real-time video streaming and image capture system using ESP32-CAM, integrated with the Gemmini Vision API.
- Engineered a virtual memory bank that stores and describes images, enabling visual context retrieval.
- Implemented end-to-end pipeline from hardware to API interaction, enhancing IoT-based vision applications.

Speech-to-Image | Python, Streamlit, Stable Diffusion, Speech Recognition

October 2024

- Developed a speech-to-image generation system that converts spoken prompts into realistic images using Voice Recognition and Stable Diffusion.
- Streamlined the pipeline from audio transcription to image generation, showcasing end-to-end multimodal AI capabilities.

Yoga Pose Detection | Scikit-learn, Python, MediaPipe

August 2024

- Built a yoga pose detection system using Mediapipe and MobileNetV2, achieving 88% accuracy across 8 distinct poses
- Styled the application with Bootstrap and integrated robust validation and security measures for user data handling.

Skills

Languages: C, C++, Python

Libraries/Frameworks: Scikit-Learn, Pandas, TensorFlow, Numpy, Matplotlib, Flask, Ollama, Git

Relevant Coursework: Data Structure & Algorithm

Achievements

- Got 133rd Rank in GSSOC-extd 2024.
- Achieved 3rd position in Apooqe'24 in Robo Soccer.
- 5 star in Python @HackerRank.
- Certification in Postman API Fundamentals by Postman.

Soft skills

- Leadership
- Organization & Decisiveness
- Communication
- Time Management

Leadership / Extracurricular

Xananoids

December 2022 - November 2024

Technical Head

- Mentored 20+ club members on their Projects.
- Participated in multiple hackathons and events.