



IIT Mandi iHub & HCl Foundation
Technology in Harmony with Human Needs

ADVERTISEMENT
FOR
M. Tech AI Engineer
IIT Mandi iHub And HCl Foundation
A Section – 8 Company
Location – IIT Mandi Campus

About IIT Mandi iHub and HCl Foundation: About iHub: IIT Mandi iHub and HCl Foundation (iHub) is a section 8 company established under the National Mission on Interdisciplinary Cyber- Physical Systems (NM-ICPS). The focus area of IIT Mandi iHub is “**Human-Centered AI.**” The vision of the iHub is to be an internationally recognized hub that nurtures HCl research, enables technology translation for industry, and scales skill development. The four areas of IIT Mandi iHub are Research and Technology Development, Skill Development, Incubation & Acceleration, and Collaboration. For more information, visit www.ihubiitmandi.in.

Applications are invited for the position of M.Tech AI Engineer

Apply Here: <https://form.typeform.com/to/wOugJzqx>

The Role

We are seeking an M.Tech candidate to support research and development activities within the Multimodal Intelligence for Real-World Applications (MI-RA) Lab. The selected candidate will play a key role in building and optimizing pipelines for multimodal data acquisition, processing, annotation, and AI model development using data from cameras, motion capture systems, audio devices, and physiological sensors. This role involves working with multi-view visual data, 3D motion capture, synchronized audio-video streams, and perception systems for applications such as human behavior understanding, human-robot interaction, and embodied AI. The candidate will work closely with researchers, engineers, and lab teams to develop robust perception pipelines and contribute to advanced AI solutions based on multimodal datasets.

Responsibilities:

- Assist in the setup, operation, and maintenance of multimodal data capture systems, including OptiTrack cameras, Blackmagic cameras, microphones, synchronization devices, and related equipment.
- Support researchers and engineers during data collection sessions involving human subjects, human-human interaction, and human-robot interaction experiments.
- Ensure proper arrangement, handling, and upkeep of lab equipment within the capture room, volumetric capture rig, anechoic chamber, and supporting facilities.
- Help with basic troubleshooting of cameras, cables, power systems, recording devices, and workstation connectivity issues.
- Assist in calibration activities for cameras, microphones, and imaging devices, including support for dark room and controlled lighting setups.
- Maintain inventory of lab equipment, accessories, consumables, and coordinate basic procurement requirements.
- Support data transfer, storage organization, and basic file management after recording sessions.
- Assist in documentation of lab activities, equipment usage logs, maintenance records, and standard operating procedures.

Qualification:

- Master's degree in Computer Science, Electronics, Electrical Engineering, AI/ML, Robotics, or a related field.
- 2–4 years of experience in computer vision, perception systems, AI/ML, or multimodal data processing

Position	Qualification	Years of Experience
M.Tech AI Engineer	Master's degree in Computer Science, Electronics, Electrical Engineering, AI/ML, Robotics, or a related field.	• 2–4 years of experience in computer vision, perception systems, AI/ML, or multimodal data processing.

Desirable Experience & Skills:

- Experience working with Python, OpenCV, deep learning frameworks such as PyTorch or TensorFlow, and data processing pipelines.
- Familiarity with multi-camera systems, motion capture systems, point cloud data, or sensor fusion workflows is highly desirable.
- Understanding of multimodal learning, synchronization, and dataset curation for large-scale AI systems is a strong advantage.
- Strong problem-solving skills and the ability to work in interdisciplinary research and engineering teams.
- Good communication and documentation skills for technical collaboration and project execution.

Remuneration:

INR 35,000/- to 55,000/- per month based on experience.

Terms/Instructions:

1. *Only shortlisted candidates will be contacted/informed through email/phone.*
2. *IIT Mandi iHub and HCl Foundation reserves the right to fill up the post, not to fill up the position or cancel the advertisement in whole or part without assigning any reason. The company also reserves the right to limit the number of candidates to be called for written tests/or interviews. The decision of the company in this regard will be final.*
3. *Documentary evidence of all educational and professional qualifications will be required to be produced when specified.*
4. *The company can verify the antecedents or documents submitted by a candidate before the appointment, at the time of appointment, or during the tenure of the service. In case it is detected that the documents submitted by the candidates are fake or the candidate has clandestine antecedents/background and has suppressed the said information, then their services shall be terminated.*
5. *If it is found later that any information given in the application is incorrect/false, the candidature/ appointment is liable to be cancelled/terminated.*
6. *The applications will be considered till the post is filled.*

Contact us: IIT Mandi iHub and HCl Foundation, IIT Mandi, North Campus, Kamand, District Mandi, Himachal Pradesh 175005

Email: hr@ihubiitmandi.in **Website:** www.ihubiitmandi.in

Note: All applications should be routed through the application link provided for each position in the advertisement. Email us only in case of questions