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

ADVERTISEMENT
FOR
INTERN – MULTIMODAL AI
IIT MANDI IHUB AND HCi FOUNDATION
A Section – 8 Company Location
– IIT Mandi Campus

About IIT Mandi iHub and HCI Foundation: About iHub: IIT Mandi iHub and HCi 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-Computer Interaction."** The vision of the iHub is to be an internationally recognized hub that nurtures HCi 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 Intern - Multimodal AI

No of Positions: 2

Apply Here: https://form.typeform.com/to/PumlWJae

The Role

We seek to hire Interns in Multimodal AI to contribute to innovative projects in artificial intelligence systems that integrate multiple data types, such as audio, video, text, EEG, and images. The interns will support the development of multimodal AI models, assist in research and experimentation, and align efforts with the organization's goals in Human-Computer Interaction.

Responsibilities:

- Contribute to the development and prototyping of multimodal AI models for applications in HCI, including audio-visual integration, emotion recognition, or content analysis.
- Conduct experiments, data collection, and performance evaluation to improve model effectiveness and generalization.
- Assist in training, debugging, and optimizing AI algorithms using frameworks like PyTorch or TensorFlow.
- Support research on techniques such as contrastive learning, self-supervised learning, or Multimodal Large Language Vision Models (MLLVMs).
- Collaborate with teams on building scalable pipelines and preparing insights for publications or deployments.

Qualification:

Bachelor's in Engineering or Master's in Computer Applications (MCA), AI, Machine Learning, or a related fields with a CGPA of 7.0 or higher preferred.

Position	Qualification	Years of Experience
Intern - Multimodal AI	Bachelor's in Engineering or Master's degree in Computer Applications (MCA), AI, ML, or a related field with a CGPA of 7.0 or higher.	3-6 months; prior experience in AI/ML preferred

Desirable Experience & Skills:

- Proficiency in programming languages like Python and AI frameworks such as PyTorch or TensorFlow.
- Familiarity with machine learning concepts, including deep learning algorithms (e.g., CNNs, transformers), computer vision, natural language processing, and multimodal techniques.
- Strong problem-solving skills, with knowledge of data processing, statistics, linear algebra, and probability.
- Experience with audio/video signal processing or prior projects in AI.
- Enthusiasm for interdisciplinary collaboration and research-oriented tasks.

Internship Details and Benefits:

- **Duration:** 6 Months
- **Schedule:** Full-time, typically Monday to Friday.
- **Remuneration:** INR 15,000/- per month.
- **Mentorship and Exposure:** Gain hands-on guidance from research scientists and exposure to industry leaders in AI and Human-Computer Interaction.
- **Career Opportunities:** Potential candidates can be converted to full time.
- **Project Focus:** Emphasis on innovative projects in areas like Multimodal AI, on-device intelligence, and multimodal data generation.
- **Additional Perks:** Access to advanced computing resources, opportunities for publications in top conferences, and participation in workshops for professional development.

Terms/Instructions:

1. *Only shortlisted candidates will be contacted/informed through email/phone.*
2. *IIT Mandi iHub and HCi 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.***

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