

Advertisement for the post of ***Project Associate, computational Intelligence Laboratory, Department of Aerospace, IISc***

Project Name

Remote monitoring of automated general movements for early detection of neuro-developmental disability in infants: Design, development and remote testing of an automated tool for general movement analysis using computer vision analysis

Job Responsibilities

- Utilize advanced computer vision techniques, including PyTorch and TensorFlow, to develop models for identifying and assessing general movement patterns in infants.
- Collaborate with neonatologists and physiotherapists from various hospitals to gather data and validate algorithms.
- Contribute to the design and implementation of research protocols.
- Analyse experimental results using mathematical knowledge of machine learning algorithms.
- Present findings to the research team and assist in the preparation of research publications and grant proposals.
- Stay updated with the latest developments in computer vision and related fields.

Required Qualifications

- Bachelors or Master's degree in Computer Science, Electrical Engineering, or a related field.
- Strong programming skills in Python, including experience with PyTorch and TensorFlow.
- Familiarity with computer vision and machine learning libraries (e.g., OpenCV, SKLearn).
- Proficiency in mathematical concepts underlying machine learning algorithms.
- Experience in machine learning and image processing techniques.
- Excellent communication and interpersonal skills.
- Ability to work effectively both independently and as part of a multidisciplinary team.
- Prior experience in medical image analysis or related areas is desirable.

Application Format

Interested candidates can send a mail to omkar@iisc.ac.in. With subject "Application for PA (AI GMA)", please attach your resume and a brief about you.

Selection Process

- Shortlisted candidates will be assigned a task (Technical Assignment) to complete, and candidates who are successful in completion of the task contacted for an interview.
- Final selection will be based on qualifications, experience, and performance in the interview.

Salary

~ Rs. 35,000 per month

Duration

Minimum 1 year