



**Position: Project Associate/Research Fellow for Computer Vision and Machine Learning for defect classification in 3D printing**

**Date: 12-08-2025**

**Research Group Description:** Our research group- Dynamics, Data and Design lab (weblink: <https://d3lab-iisc.github.io/>) is based in the Mechanical Engineering department of the Indian Institute of Science. In the Dynamics, Data and Design lab we focus on leveraging state-of-the-art machine learning techniques to characterize novel materials to enable optimized design of better structures and products. To achieve this, we work on both- developing experiments and machine learning frameworks.

**Role Description:** This is a full-time, on-site role for a Research Associate/Research Fellow at the Indian Institute of Science (IISc). The Junior Researcher will be responsible for helping acquire data from experimental facilities and improving/developing machine learning frameworks. The role will primarily need **good work ethic** and **eagerness to learn**.

**Qualifications:**

- A good understanding of, and demonstrated experience with, machine learning- neural networks, GPRs, Reinforcement Learning ,etc. Knowledge of application of ML frameworks to computer vision is a plus.
- Proficiency and experience in programming languages like Python.
- A minimum of Bachelor's degree in a related Engineering discipline such as (but not limited to) mechanical, aerospace, material science and electrical engineering, computer science.

**Salary:** As per institute norms commensurate with the experience and qualifications of the candidate.

**Duration:** For a maximum period of 12 months with a probation period of two months.

**Application:** Interested candidates are requested to contact Dr. Akshay Joshi from IISc's department of Mechanical Engineering at [akshayjoshi@iisc.ac.in](mailto:akshayjoshi@iisc.ac.in). Applications will be processed as and when they are received, so please do not wait to apply. Only shortlisted candidates will be contacted for an online interview. In your mail, please include the following:

- Your CV with at-least two appropriate references.
- A small paragraph (3-4 sentences) detailing what motivated you to apply for this position.