Applications are invited for the position of Senior Researcher for a project on AI-assisted medical image analysis and visualisation. Candidates having exceptionally good academic record and a keen interest in research are encouraged to apply.

Position	Senior Researcher
About the project	This project aims to transform medical imaging analysis using AI-based algorithms, enhancing 3D MRI and CT scan visualisation with improved details and diagnostic accuracy. Employing style transfer colorisation and 3D segmentation, the project will enable selective visualisation and augmented reality display. The project seeks to empower healthcare professionals with automated, accurate, and comprehensive analysis of medical images for better patient care.
Stipend	Rs. 40,000 - 60,000 per month. Exceptional candidate will be eligible for a higher salary based on performance evaluation after 3 months.
Duration	1 year (initially on 3 months of probation)
Responsibilities	- Designing Deep Learning (DL) algorithms for 3D image analysis problems, including but not limited to detail enhancement, colorisation, and segmentation, - Prototyping in Pytorch, training, and testing, - Developing utilities for pre and post processing of 3D images in C/C++, Python, and - Developing prototype application for visualisation of outcomes of the DL algorithms.
Essential qualifications and experience	- B.Tech. degree in Computer Science with CGPA >= 7.5/10.0 - Research experience of 2+ years with proven record of publications - Solid foundations in linear algebra, data structures and algorithms. Excellent programming skills in C/C++ and Python - Understanding and hands-on experience of DL models like CNN, Vision Transformers, NeRF, and Diffusion. - Good interpersonal and communication skills (both oral and written) - Fast learner
Last date for application submission	**27 August 2023** However, position will fill as soon as a suitable candidate is found.

To apply, fill the form: https://forms.gle/52wMc2rSMe5NCNQe8

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