



TATA MEMORIAL CENTRE
ADVANCED CENTRE FOR TREATMENT, RESEARCH AND EDUCATION IN CANCER
Kharghar, Navi Mumbai- 410 210
www.actrec.gov.in
Phone No : 91-22-27405000 Extn.: 5353/5082

(A Grant-in-aid Institution of the Dept. of Atomic Energy, Government of India)

No. ACTREC/ADVT-55/2022

11.08.2022

INTERVIEW FOR SCIENTIFIC OFFICER (1 Post)
(ON PROJECT)

“Basic and Translation Research in cancer (Artificial Intelligence)”.

Qualification & Experience	Essential	Masters or PhD in Computer Science/IT/Electrical/Electronic Engineering /Mathematics/Statistics/ and other relevant branches. Candidates should have hands-on DL programming experience in Python, Keras, Pytorch, tensorflow and/or other DL frameworks. Exceptional candidates having completed a 4years bachelor's programme with at least 1year DL experience may also apply.
	Preferred	Prior relevant experience of handling pathology WSI, Radiology Images and experience in processing these images using DL.
	Desirable	Prior relevant experience of handling pathology WSI, Radiology Images and experience in processing these images using DL.
Job Description	<p>There has initiated multiple collaborative projects involving deep learning (DL) applications in healthcare, with emphasis on oncology. Some of the poster projects include the imaging Biobank for cancer (DBT funded) and predicting response to therapy (DBT-CRUK seed grant recipient). Further, TMC is in the process of setting up a HPC with CPU (~130 TFLOPS) and GPU (~PFLOPS) nodes for supporting these projects.</p> <p>The work rests on a strong collaboration between TMC and IITB with the aim of creating clinically relevant tools/algorithms for radiology and pathology image analysis, for prediction and prognostication and deploying them for clinical testing and eventual clinical use.</p> <p>The candidate will be expected to have below mentioned qualification/experience and interest in translational work aimed at converting advances in DL into clinically viable products. The candidate will be involved in multiple rounds of training, testing and validation of DL algorithms on pathology and radiology images up to the stage of infrastructure and data platforms within TMC.</p> <p>The candidate will be expected to work in a team composed of DL engineers (from TMC and IITB) as well as medical and technical staff from TMC with strong preference for teamwork rather than individual expertise.</p>	

Consolidated Salary: Between Rs.40,000/-p.m to Rs. 70,000/-p.m Depending on interview assessment with annual increments

Duration: Six months (Renewable bases on performance and mutual agreement)

Commitment Expected : Minimum 1 year

Candidates who are unable to attend the walk in interview may register for online interview by sending a request email with scanned copies of CV and the relevant certificates (experience and qualification) to srane@actrec.gov.in & tbameta@actrec.gov.in by **15.08.2022 till 12.00 pm**.

Shortlisted candidates will be informed by reply email about the tentative timing of Zoom interview. Eligible Candidates may attend the walk in interview on **Tuesday, 16th August 2022, at Meeting Room No.2, 3rd Floor, Khanolkar Shodhika, ACTREC** along with recent CV & original and attested copies of all certificates and testimonials with recent passport size photograph.

Candidate Reporting Time: 12.30 p.m. to 01.00 p.m.

Alpasani
11-8-2022
In-charge (Academic & Project cell)