



Advertisement No.: ICSR/PR/Advt.83/2020 Dated: 26.06.2020

Applications are invited for the following temporary post in the Centre for Computational Brain Research (CCBR), IIT Madras (**Project No.** EE/19-20/1049/OPSA/008429).

Project: Human Brain Project, IIT Madras, Chennai

Research Centre: Centre for Computational Brain Research (CCBR) and Healthcare Technology Innovation Centre, IIT Madras

Co-ordinator: Prof. Mohanasankar Sivaprakasam, Dept. of Electrical Engineering,

Duration: Initially for a period of One year, extendable based on performance.

We are currently seeking Senior Software Developer to be part of the research and technology development of Application stack for crowd sourced medical annotation activities such as gaming and scientific app. This technology is being developed as part of the on-going Human Brain Project (HBP) at the Center for Computational Brain Research (CCBR) and Healthcare Technology Innovation Centre at IIT Madras- Chennai, India.

Who We Are: CCBR was established in 2014, to explore the interface between Neuroscience and Engineering disciplines. A two-way interaction is envisaged, where an understanding of the brain can help drive significant technological advances, and in turn engineering tools can help analyse and probe neural circuits. Under this center, Human Brain Project at IIT Madras (IITM-HBP) is a mission-centric project, funded by Government of India (for three years), with a team of international collaborators working closely together to achieve the goal of high-throughput digital neurohistology to map ground-truth human brain circuitry. The project aim to establish integrated histology-imaging-compute pipeline to acquire petabyte sized image volumes from post-mortem brains. To learn more about us, please visit us at <https://cbr.iitmadrass.in/>

IITM's Healthcare technology Innovation Centre (HTIC) is country's leading med-tech R&D centre with a focus towards developing and deploying affordable, accessible and scalable technology solutions. Over the years, HTIC has evolved into the largest and dynamic med-tech innovation and incubation ecosystem in the country, collaborating with over 30 institutions ranging from hospitals, industry, government agencies and research institutes both within the country and internationally. Its 200+ member team of engineers, researchers, entrepreneurs and faculty is developing technologies in areas of cardiovascular, ultrasound,

neonatal, oncology, intensive care, ophthalmology, diagnostics, in collaboration with leading organizations, four of which have translated into commercial products in the market. In addition, HTIC incubates around 30 early stage med-tech startups in its med-tech incubator. Learn more about our research and product development activities at <https://www.hticiitm.org/>

S.No	Post	Qualification and Experience
1	Senior Software Developer	<p><u>Qualification:</u></p> <p>B.E (Computer Science) / M.C.A or strong work experience in hand on development.</p> <p><u>Experience:</u></p> <p>More than 5 years with hands on development experience in build application that handle large volume of data and concurrent access of data. Good eye to UI development with good focus on aesthetic</p> <ul style="list-style-type: none"> - MEAN stack development, CSS, templating - Advanced javascript imaging and computational libraries, visualization libraries like D3, threeJS, turfJS, paperJS, HTML5 canvas - Full stack development, session management, SSO, access control - Wordpress plugin development - Site optimization, personalization, viewer analytics, user engagement applications development - SDLC process experience, agile development, git, versioning, staging, test automation, continuous integration

Essential knowledge and skill set:

- Mean stack development
- Source control system like Git

Other preferred knowledge and skill set

- Image processing
- Machine learning
- Scripting

Required Personal attributes and abilities:

- Strong interpersonal, verbal, and written communication skills
- Time management skills to prioritize and meet deadlines
- Ability to work independently and as a member of a team
- Flexibility to work in a changing and fast paced environment
- Drive, determination and ability to hit aggressive milestones/deadlines

Company Offers:

- Competitive salary will commensurate with experience and education.
- Tentative CTC: Rs 8 Lakh per annum
- A collaborative and diverse work environment where our teams thrive on solving complex challenges.
- Connections with world class researchers and their laboratories

About the Role:

This is a full stack development role involving web programming, content management systems, tool development for internal and external users, in the domain of big data analytics, imaging, and neuroscience informatics. The role requires working as part of a tight knit development team. We are looking for a team player in a project with opportunity for the right candidate to continue advancing their role and responsibilities as the laboratory grows.

What you'll do (Job Description):

Core duties and responsibilities include the following. Other duties may be assigned by management.

- Web Programming
- Content Management systems
- Web portal development, optimization
- User engagement applications
- Tool development for crowdsourcing and educational tools
- Development of intranet applications

To Apply:

Please submit your cover letter, and resume via email to sivathanun@htic.iitm.ac.in

The last date for submission of online application is 10.07.2020.

Note: Only eligible candidates are requested to apply for the said post.

General Instructions to the candidates

- All the positions are on purely contract basis.
- The completion of the period of contract will not confer any right for further extension, regularization, permanency at the Institute.
- Candidates can also apply through online in the website <https://icandsr.iitm.ac.in/recruitment/> **(Please check the advertisement number Advt.83/2020 displayed and submit the application for the relevant position).**
- Separate application has to be filled for each post.
- The system will accept single application only with the registered login ID (email) for an advertisement, hence the candidate is requested to select the multiple positions (In case, he/she wishes to apply for more than one position) before the submission of application.
- The application cannot be edited, reverted once it is submitted.
- Candidates should not attempt to apply twice for the same post. If multiple applications are received from a candidate for the same post, his/her candidature will liable to be rejected.
- Candidates should follow the prescribed procedure for submission of online application.
- Candidates are advised to fill their correct and active e-mail addresses in the online application as all correspondence will be made by the Institute through e-mail only.
- The candidates applying for any post should ensure that they fulfil all the eligibility conditions for the post. Their admission to any stage of the selection process will be purely provisional subject to confirmation that they satisfy the prescribed eligibility conditions. Mere issue of registration certificate / call letter to the candidate will not imply that his/her candidature has been found eligible.
- After successful online submission of application, a print out of the application form must be obtained and submitted when called for test. It will be required at the time of document verification/test/interview. Hard copy of the application is NOT to be sent to the Institute.
- Candidates must be citizens of India. Persons who have migrated from Pakistan with the intention of permanently settling in India or subjects of Nepal are also eligible, but in their case a certificate of eligibility from the Government of India will be necessary for appointment. Such candidates should apply to the Government of India in the Ministry of Home Affairs for necessary certificate and furnish satisfactory proof of having so applied.

- The prescribed qualifications are minimum and unless specified, they are required for consideration for the post, even if higher qualification has been acquired and the mere fact that a candidate possesses the same will not entitle him/her for being called for interview.
- Relevant experience gained after the minimum qualifying degree will only be taken into consideration. Minimum requirements of qualifications and/or experience can be relaxed in respect of exceptionally outstanding candidates.
- The experience required is relaxable at the discretion of the Institute in the case of candidates belonging to the Scheduled Caste / Scheduled Tribe, if at any stage of selection the competent authority is of the opinion that sufficient number of candidates from these communities possessing the requisite experience are not likely to be available to fill up the vacancy reserved for them.
- The Institute reserves the right to restrict the number of candidates for written / skill test / interview to a reasonable limit on the basis of qualifications, level and relevance of experience higher than the minimum prescribed in the advertisement and other academic achievements. The Institute also reserves the right of rejecting any or all the applications without assigning any reasons therefore.
- Calling a candidate for test/interview merely indicates that it is felt that he/she with others may be suitable for the post and conveys no assurance whatsoever that he/she will be recommended or selected or his/her conditions specified in the application will be accepted.
- Candidates will be short-listed for Test/Interview on the basis of the information provided by them in their online applications. They must ensure that such information is true. If at any subsequent stage or at the time of Test/Interview any information given by them or any claim made by them in their online applications is found to be false, their candidature will be liable to be rejected.
- The Institute shall verify the antecedents or documents submitted by a candidate at any time 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 his services shall be liable to be terminated.
- In case of any inadvertent mistake in the process of selection which may be detected at any stage even after the issue of appointment letter, the Institute reserves the right to modify/ withdraw/ cancel any communication made to the candidates.
- Applicants who are working in **any one of the Project at IIT Madras**, must apply through proper channel otherwise they will be required to produce No-Objection Certificate at the time of document verification/Test/Interview. Candidates without NOC will not be permitted to appear for Test/Interview.

- Candidates may send testimonials from persons intimately acquainted with their work and character. If the applicant is in employment, he/she should submit testimonials from the most recent employer or immediate superior as a referee.
- The Institute has a right to decide the mode of screening and testing the applicant for short listing and selection.
- The Institute solely reserves the right not to fill any advertised position without assigning any reason
- Only shortlisted applicants will be contacted.
- No correspondence whatsoever will be entertained from candidates regarding conduct and result of test/interview and reasons for not being called for interview. Canvassing in any form will be a disqualification.
- The crucial date for determining the eligibility criteria for all candidates in every respect shall be the prescribed closing date for submission of online application.
- The Institute strives to have a workforce which reflects gender balance and women candidates are encouraged to apply.
- Any corrigendum/clarifications on this advertisement, if necessary, shall be uploaded on website and no separate communication will be sent for this purpose.
- **The last date for submission of online application is 10.07.2020.**
- If there is any issue to submit the application please send E-mail to : recruitment@imail.iitm.ac.in / icsrrecruitment@iitm.ac.in **Contact: 044- 2257 9773 / 9796** on all working days from **9.00 AM to 05.30 PM (Monday to Friday – except National Holidays)**. (Please note, only technical issues will be accepted – No interim correspondence with reference to the selection process will be considered).
- **Instructions to apply online:-**Eligible applicants would require to register and apply online through <https://icandsr.iitm.ac.in/recruitment> **HYPERLINK** "<https://icandsr.iitm.ac.in/recruitment/>" and submit the application.

Sd/-

Senior Manager –HR
Centre for IC&SR
IIT Madras