

No: Advt/ IITT/CSRC/2223/12

Date:10-Nov-2022

Applications are invited from eligible Indian nationals for the Senior Software Developer (SDE-2) and Software Developer (SDE-1) posts in a time-bound sponsored project undertaken in the Department of Computer Science and Engineering.

Temporary Position	Senior Software Engineer (CSE2122001FACEKALI/SE2SE2/2022May) Software Engineer (CSE2122001FACEKALI/SE1SE1/2022May)
Essential Qualification	(Full time position – NO PART TIME OPPORTUNITY) Highly talented software developer with strong fundamentals in computer science and engineering with experience in software development, web technologies and database systems.
Project Title	Design and development of disaster response dashboard for India
Sponsoring Agency	IIT Tirupati as part of Facebook sponsorship
Consolidated monthly Salary	Rs. 60,000 per month for Senior Software Engineer (consolidated pay) Rs. 40,000 per month for Software Engineer (consolidated pay)
Principal Investigator	Dr. Yeturu Kalidas
Department/Centre	Computer Science and Engineering
Tenure of Assignment	11 Months and may be extended for two more years based on the performance.
Desired Experience	1) Strong in computer science concepts including data structures, algorithms, client server methodologies, event driven architecture and database systems; 2) Working knowledge of popular web service systems - AWS or equivalent; 3) Good hands-on experience using Python, Flask, Plotting, MongoDB and MERN stack 4) Added advantage for those familiar with GIS tools such as Geopandas and concepts including Multi Point, Polygon, spatial join, coordinate reference systems; 5) Git system and automated process set up 6) Minimum B.E or B.Tech in Computer Science and Engineering or MCA; 7) Minimum experience of 5 years in pertinent topics for the Principal engineer role
Nature of the Work	(Remote work is possible, however in-person meetings are required as and when required) 1) Enhancements and bug fixes to disaster response dashboard system developed at IIT Tirupati 2) Execution of the system on Facebook data sets under Data For Good initiative 3) Regular download of data, execution of codes, preparation of reports and analysis 4) Presentation to the stake holders including decision makers and administrative officers of the government, IIT Tirupati and Facebook teams and NGO representatives 5) To be available for supporting through our dashboard services in the events of disaster time periods of National importance
Age Limit	Age - no bar.
Last date application	30 th November 2022.

Eligible candidates must send a **detailed CV (maximum 2 pages)** specifying their qualifications and experience **and a brief statement of purpose** on or before **30th November 2022** to Dr. Yeturu Kalidas, Assistant Professor, Department of Computer Science and Engineering, IIT Tirupati @ ykalidas@iittp.ac.in

The candidates should demonstrate:

- 1) Problem comprehension skills including ability to be a good listener
- 2) Problem expression skills including ability to explain in an unambiguous and concise manner, convert understanding to a pictorial representation
- 2) Well versed with English reading and writing
- 3) Very good problem solving skills

The shortlisted candidates will be informed by **Email only**. Selection will be based on the qualification, experience, and interview. **The interview and other logistics will be conducted via online only**. The interview date will be notified to the shortlisted candidates by Email. The candidate may appear in the interview through video conferencing. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof.