भारतीय प्रौद्योगिकी संस्थान तिरुपति

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INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
CENTRE FOR
SPONSORED RESEARCH AND CONSULTANCY
Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, A.P – 517619

No.: Advt/ IITT/CSRC/2023-24/30   **Date: 20-03-2024**

Applications are invited from the eligible Indian nationals for Senior Research Fellow position in the Department of Computer Science and Engineering, IIT Tirupati under the **DST SERB CRG/2023/007282** - Sponsored Project.

Position	Senior Research Fellow
Essential Qualification	Graduate/Post Graduate Degree in Computer Science and related course with First class and GATE Qualified Score.
Experience	Minimum two years
Project Title	Configurable learning through dynamic fusion of light-weight few-class object detectors – Applications to EHR from clinical records
Sponsoring Agency	DST/SERB/CRG, Govt of India
Monthly Salary	Rs.35000 /-
Tenure of Assignment	Initially, 01 year and performance will be reviewed every 6 months till the duration of the project (3 years).
Desired Experience	- Well experience in programming in Python, web technologies such as MERN stack, Linux environment, Shell scripting, Version control systems such as git - In depth understanding and hands-on experience in data structures and algorithms; decent understanding of probability, statistics and vector calculus - Experience in using relational databases and SQL as well as NOSQL systems such as MongoDB and format such as CSV and JSON format - An understanding and basic hands-on experience with computer vision models such as YOLO and data sets such as MNIST, LFW and COCO - Basic experience in machine learning libraries in Python such as scikit-learn, torch and seaborn; Image processing software such as ImageJ
Nature of Work	- Design and development of computer vision models for scanned images of handwritten clinical prescriptions - Design and development of end-to-end software system for electronic health record (EHR) data capture, storage and inference - Production deployment and maintenance of ML model in continual learning scenario - Understanding the mathematical nature of problem and addressing
Age Limit	Not more than 35 years as of 05-04-2024 (Relaxed for exceptional candidates and reserved category)
Application Deadline	05th April 2024

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Eligible candidates may send a detailed curriculum vitae (maximum 2 pages) specifying qualifications and experience, on or before the deadline to ykalidas@iittp.ac.in (Dr. Yeturu Kalidas, Principal Investigator) and csrc_recruitment@iittp.ac.in. Importantly, mention your contact detail (email as well as cell number) in CV.

The shortlisted candidates will be informed *via* E-mail only. The selection will be based on the qualification, experience, and interview performance. The interview will be conducted offline at IIT Tirupati campus. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof.

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