Birla Institute of Technology & Science, Pilani
Pilani Campus
Grants Consultancy and Industrial Research (GCIR)

CALL FOR POSTDOCTORAL POSITION

Date: 21 Aug 2024

Application Deadline: 30th August 2024

About: Applications are invited from interested and motivated candidates for the post of Postdoctoral Researcher in a time-bound research project for a temporary period purely on a contractual basis as per the following details:

Position:	Postdoctoral Researcher
Number of Vacancies:	01
Project Title:	Artificial Intelligence framework to identify historical fluvial morphological trends (water quality, stream discharge, land use) based on climate change.
Funding Agency:	The Nature Conservancy, TNC India
Principal Investigator:	Dr. Dhruv Kumar, Department of Computer Science & Information Systems, BITS Pilani
Project Tenure:	10 months
Job Description:	This multidisciplinary project is aimed at developing an AI framework to analyze historical fluvial morphological trends (e.g., water quality, stream discharge, land use) under the influence of climate change. We will use advanced data processing and machine learning techniques to predict future river discharge and related parameters based on climate forecasts. The successful candidate will be responsible for the following tasks: 1. Lead the AI modelling aspects of the project, including the development and implementation of machine learning algorithms to forecast future fluvial morphological trends. 2. Work closely with eco-hydrological scientists and data analysts to preprocess historical and climate data and to integrate various General Circulation Models (GCMs) into the prediction framework. 3. Document results, present findings at conferences, and contribute to publishing the work in high-impact journals.
Qualification:	1. Ph.D. in Computer Science, Machine Learning, Artificial Intelligence, or related fields. 2. Strong skills and experience in programming languages or frameworks such as Python, PyTorch, and TensorFlow. 3. Expertise in AI modelling or climate modelling is preferred.
Upper Age Limit	Age not exceeding 38 years as of the date of interview. Age relaxation is allowed for up to 5 years for SC/ST/PH/OBC/WOMEN candidates.
Fellowship:	₹ 48,000 per month
Joining:	Selected candidates must join within a week of the interview.

How to Apply:

Please apply with CV and Cover letter (showing alignment and justification with the roles/responsibilities/requirements) using the below form

Google Form Link: https://forms.gle/MKCK3MSVPSeewm8c6
Deadline: 30th August 2024

Preliminary shortlisting will be based on resume and telephonic/audio-visual interview between Aug 31st – Sept 7th, 2024. For final interview, the candidate will be informed through e-mail for interview. For more details, please contact:

Prof. Dhruv Kumar
CSIS Department, BITS Pilani, Pilani Campus
Email: dhruv.kumar@pilani.bits-pilani.ac.in
Website: https://kudhru.github.io/

innovate   achieve   lead