Junior Research Fellow position under DST-NSF project

Applications are invited for the position of Junior Research Fellow in the Department of Computer Science and Information Systems at BITS Pilani, K. K. Birla Goa Campus, Goa for a DST-NSF sponsored research project titled "GameSignAI: Using AI to help deaf children acquire language skills". This work is a collaborative project with researchers at Georgia Tech, USA (NSF side). The project aims to develop an AI model running on mobile devices to automatically detect Indian Sign Language. This model will be used to help deaf children and their parents and guardians learn sign language.

Job Title: Junior Research Fellow

No. of Posts: One (01)

Job Profile:

The candidate will work in a multi-team collaborative project that aims to develop a platform that can be used by various sign languages from across the globe. The collaborators are currently from USA, Japan and Australia. The candidate will be responsible for the data collection process, training of the model, and integrating it into a mobile application. An analytical mind and good coding skills are essential for this role.

Investigators:

Prof. Sougata Sen, Prof. Swaroop Joshi, Prof. Surjya Ghosh, Prof. Sravan Danda

Job Responsibilities:

- Development of new mobile-based games
- Working with 3D point clouds
- Maintenance of existing code base and data
- Data collection to develop large datasets
- Training machine learning models
- Perform any other office duties as needed and assigned.

Skill sets:

Education qualification: B.E / B.Tech in Computer Science, Electrical or Electronics engineering preferred. Candidates should have completed their degree requirement when applying for this position. The candidate should be NET/GATE qualified.

Technology skills: Experience in mobile app development or working with 3D vision data, and basic applied machine learning is expected.

Compensation, Tenure and other details:

Duration: The position will initially be of 1 year of duration. The position can be extended up to 2 years based on the performance of the candidate. Candidates will be encouraged to convert this position into a Ph.D. position based on their performance.

Compensation: The compensation will be Rs. 37,000.00 per month based on the candidate's qualification and experience.

Accommodation: Hostel accommodation will be provided subject to availability and will be governed by the rules and regulations of the Institute prevailing at the time of joining of the candidate.

How to Apply:

Interested candidates may upload application and curriculum vitae with details of research experience using the following link: https://forms.gle/6NgEBRrAHTipuu4S8 **by 05/01/2026**. Only shortlisted candidates will be contacted via e-mail for online/personal interview to be held at BITS Pilani, Goa Campus and no TA/DA will be paid for the interview.