RA Position - Deep Learning & Edge Computing

Group: Visual Conception Group
Funding: Project funded by Infosys Centre for AI

About Us:

IIITD is a leading research institution specializing in cutting-edge technology and innovation. We are currently seeking a talented Research Associate to join our team, focusing on deep learning, model compression, and edge computing. The position is part of the Visual Conception Group and is funded by the Infosys Centre for AI.

Key Responsibilities:

1. **Deep Learning Models:** Develop and implement state-of-the-art deep learning algorithms, focusing on efficiency and scalability.
2. **Model Compression:** Apply compression techniques to deep learning models without significant loss of accuracy.
3. **Edge Computing:** Work with edge devices like Jetson Nano or Xavier or similar devices to deploy compressed models, ensuring optimal performance.
4. **Collaboration:** Collaborate with the team to integrate deep learning solutions into broader research projects.
5. **Publication & Dissemination:** Contribute to research papers, present findings at conferences, and engage with the wider scientific community.

Qualifications:

- **Education:** Bachelor' or Master's degree in CSE/ECE/EE, or related field.
- **Skills:**
    - Proficiency in deep learning frameworks such as TensorFlow, PyTorch, or Keras.
    - Hands-on experience with model compression techniques like quantization, pruning, etc.
    - Familiarity with edge devices like Jetson Nano or Xavier and deployment on such platforms.
    - Strong programming skills in Python, C++, or other relevant languages.

Benefits:

- Salary as per institute norms.
- Opportunity to work on cutting-edge research projects.
- Collaborative and supportive work environment.
- Access to state-of-the-art facilities and equipment.

How to Apply:

Interested candidates are invited to submit a cover letter and CV to [subramanyam@iiitd.ac.in]. Please include examples of relevant projects or publications.

Tenure: 6 months (with a possible extension to 1 year)
Application Deadline: 30th Aug, 2023