

## **Research Assistant Position (Full Time)**

### **Summary:**

We are looking for self-driven and dedicated Machine Learning/ Computer Vision Research Assistant, optimally with experience in creating ML/DL architectures for Image Processing. The person will be responsible for the application of Image Processing on the data, building ML/DL solutions using the image data for the required tasks.

### **Eligibility**

- The candidate must have minimum BS/ MS/MPhil qualification.

### **Skills requirements:**

- Experience in Machine Learning and Computer Vision/Image Processing domain
- Sound knowledge of Convolutional Neural Networks e.g (Resnet, MobileNet, DenseNet)
- Familiarity with commonly used vision libraries i.e. OpenCV, mmcv,
- Experience in handling large-scale image data in various annotation formats
- Experience in Object Detection and Instance Segmentation architectures i.e (RCNNs, FPN, Unet, Yolo)
- Expertise in machine/deep learning architectures and neural network optimization
- Strong technical, analytical, and problem-solving skills
- Strong programming skills in Python
- Familiarity with the commonly used ML/DL training frameworks (PyTorch, Tensorflow, SkLearn, Caffe, etc.) with hands-on expertise in at least one DL framework
- Excellent communication and writing skills
- Good to be in office paperwork

### **Good to have/ Preferred:**

- Experience with Detection and Segmentation toolbox (mmdetection, detectron, simpleDet, maskrcnn-benchmark)
- Strong collaborator and communicator
- Knowledge of basic algorithms, object-oriented and functional design principles, and best practice patterns

### **Job duration**

- One year.
- It is a full-time position.

### **Salary**

- Competitive to market.

### **Location**

- Data Insight Research Lab at NU FAST, Islamabad Campus

**If you are interested, please submit your cover letter and CV using Google Form at ["https://forms.gle/NmplpujacvXbHX8p6"](https://forms.gle/NmplpujacvXbHX8p6) before 28th July 2023.**