MNS-University of Agriculture, Multan

DEPARTMENT OF COMPUTER SCIENCE

Research Assistant Vacancy

Applications are invited from motivated and passionate students for one research assistant vacancy for a project "**Sustainable Cotton Production using Artificial Intelligence (SCP-AI)**" funded through Texonomy part of British Council Link award. This is a six-month project that aim to develop smart advisory for cotton farmers to better manage irrigation, fertilizer and pesticides applications. Department of Computer Science of MNS-University of Agriculture, Multan. Details and criteria are given below:

Job Details:

Eligibility:

- Students completed BSCS/BSIT and currently enrolled in MSCS in MNSUAM.

An exciting opportunity for a Machine Learning assistantship arise part of Texonomy project to understand cotton health from seed to lint.

i)   Expertise in and a passion for Machine Learning and Computer Vision

ii)   Applying state-of-the-art AI-driven technology to solve some of the most challenging problems in agriculture

iii)   BS(CS)/IT in Computer Science, Machine Learning, Remote Sensing, Statistics or a related field

iv)   Strong expertise in deep learning for computer vision applications

v)   Broad knowledge of machine learning theory and time series analysis

vi)   Experience with typical Machine Learning stack and tools: Python, Pandas, SciPy, scikit-learn, and one or more deep learning frameworks: Tensor Flow, PyTorch, Keras

vii)   Experience writing production-grade code and using modern software development tools (version control, CI/CD, containers, etc.) in a cloud platform (GCP, AWS)

viii)   Experience working with satellite and/or UAV imagery

ix)   Experience with geospatial data processing and analysis tools like GDAL, QGIS, ArcGIS, OPENCV, CVIP TOOL and MAZDA Image processing tool.

x)   Educational or work exposure to agriculture, remote sensing, soil sciences or similar fields

xi)   High commercial awareness to help drive product development and develop new data science products

xii) Good communication skills, enjoy working in a team, and exposure to working in a fast-paced environment Ideal addition

Note: Initial Training would be provided for General Queries.

Pay Package: 18000 PKRS Monthly Basis.

How to Apply:

- Candidates are required to submit their CV via email at: vacancy.csit@gmail.com mentioning the Job title as Subject.
- Deadline to Submit CV is by **5ᵗʰ September, 2021 before 4pm**.
- Shortlisted candidates will be called in for interviews on **7ᵗʰ September, 2021**.

For any queries, please email salman.qadri@@mnsuam.edu.pk