

## **JOB DESCRIPTION FOR WADHWANI INSTITUTE FOR ARTIFICIAL INTELLIGENCE**

### **Research Intern**

#### **Pre-requisites:**

- 1) Python Programming experience, hands-on experience with some of the Data Science toolkits like Numpy, etc. and preferably at least one Deep Learning Framework among Keras, TensorFlow, Pytorch etc.
- 2) Should have completed coursework in Probability, Linear Algebra, Calculus and preferably has some exposure to Machine Learning.
- 3) Highly preferred to have demonstrated experience of working in the field via an internship or project. Do provide links to some of your open-source projects.
- 4) Prior exposure to Linux is expected before joining for the internship.

#### **Responsibilities**

- 1) Conduct a thorough literature review on prior work done for a given problem statement.
- 2) Work towards developing an appropriate algorithm in solving the problem as well as building a deployable product and/or make it publication worthy.
- 3) Document the code in a suitable manner by adhering to appropriate guidelines.
- 4) Should be able to communicate his/her research findings in a clean and compact manner.

#### **Example Problems (not exhaustive)**

- 1) Crop yield prediction from satellite images
- 2) Frontline healthcare
- 3) Digital pathology
- 4) Early detection of malnutrition
- 5) Building solutions for smart city