a1) Tell me about your self

I am Ashish Thosar. I have completed bachelor of engg in electronics and telecommunication from Nagpur university in the year 2014.I have total three year of experience as ML/AI developer. From last three year, I am working in python and machine learning. I also have a good experience in linux system and bigdata adminstration such as hadoop and elasticsearch. I got a first job in government of india research center, there I got a change in R&d of deeplearning hybrid model. I worked there for 1.4 years. Then I was selected in global telecomm ltd. There I worked on hadoop and elasticsearch for there data analytics platform and also develop an machine learning model for predicting root cause analysis of telecomm tower. Last company I worked in was botsRule pvt ltd as Ml/AL developer. My responsibility was to develop machine learning model and create data pipe line for machine learning model. For data pipeline, I used python 3.6 and Tensorflow for machine learning. All this is deploy in AWS cloud. That's all from my side.

2) how you optimize code

a) Machine Learning models require input in sequence of array or in vectors. So most of time we use numpy array to optimize this matrix calculation.

b) try to use inbuilt function.

c) try to use function as most as possible

3) explain your project

4) why you leave last job

Because of salary issue , I left the jobs.

5) how to test the code

I have written a python script, which do the testing job. What script do it will check multiple steps,

1) we will roundoff the time and will check that all missing value coming from the sensor is fill corectly or not.

2) check that all value have same time difference or not.

3) checking negative value. So to optimize machine learning training, we are doing difference of two nearest value. So some time because of error in data it gives you a neagative value.

4) mahine learning model checking. Some time when data have high amplitude , the machine learning model will give you a “nan value”

Business problem

Main problem in water management system is to detect leakage and stealing of water. So , standard solution on this is to put sensor on each steps to track the water loss. But it increase overall cost and stealing and damaging of sensor. We creating an a AI enable system , which require sensor in critical area only such as in consumer premises and on inside municipal corporation. Where there is less chance of damaging and stealing of sensor.

stealingof water or water leakage

working

I am working on water management system. We created an web application which displays real time data .

monitoring

We are monitoring municipal corporation

why you leave the job