PROFILE IIAAI02

Overall Experience

- ✔ 4 years of overall experience in the IT industry on multiple domains
- ✔ Working as a Data Scientist-Development.
- ✔ Experience in architecting Artificial Intelligence applications with Machine Learning, Deep Learning with Python. Deep Learning Techniques includes ANN,CNN,RNN, Advanced CNN and Advanced RNN with LSTM.
- ✔ Have good hands on experience with frameworks like Djangoand Tensor Flow.
- ✔ Extensive knowledge in NLP and concepts.
- ✔ Extensive knowledge Linear Regression, Logistic Regression, Decision Tree, Random Forest, Naive Bayes, SVM, KNN, Boosting algorithms, Kmeans, DBSCAN Clustering Algorithms.
- ✔ Extensive knowledge Skilled in libraries such as Keras, Tensorflow, Sklearn, Numpy, Pandas, Matplotlib.
- ✔ Good knowledge of working with NoSQL databases like Mongodb,

- ✔ Involved in various client demos, knowledge Transfer sessions and presentations
- ✔ Team player with good communication and interpersonal skills
- ✔ Excellent problem solving and analytical skills

Experience Summary

- ● Working from JAN-2019 to till date
- ● Worked from NOV-2016to DEC-2018

Education

- ● M.Tech in Electrical and Electronics Engineering from Vardhaman college of Engineering-JNTUH

Technical Skills:
- ● Languages : Python(v2.x,v3.x), C,SQL
- ● Libraries : Pandas, Numpy,OpenCV(v3.x), NLTK(v2.7)

- Frameworks : TensorFlow(v1.12-stable), Flask(v1.0.2) ● NoSQL : Mongo DB(v4.0), HBase
- Tools : LabelMe, GIMP, Excel,
- Operating Systems : Windows, Ubuntu (v14,v16)

Professional Experience

Project #1

Project : AI Implementation for Solar Power Plant
Client : Government of AP
Technology : Deep Learning (CNN,Predictive Modeling), Computer Vision
Languages : Python 3.X,SQL,MongoDB

Description:

Solar energy is one of the major sources to generate power and entire world is going to depend on it in coming future. On grasping this moto, The GOAP has planned various solar parks in various places in their region. As solar power plants occupy large place, they should be protected and cleaned well to utilize or generate power to the best. As per the reports from ground, Manual work is not possible as it takes more time and work. Using DL, we have reduced the manual work and improved the efficiency of solar panels in generating the power.

Responsibilities:

- Written code to detect solar panels using OpenCV (Python)
- Have done image processing (annotating) with LabelME tool
- Implemented Predictive Modeling Techniques (Variable Selection, Model, Performance Tuning,Final Model and Model Performance) as part of Deep Learning (CNN)
- Have good hands on and understanding over the installation of TensorFlow
- Involving in various discussions and understanding the requirements ● Using Python (IDEs like Spyder, iPython (in Anaconda))
- Making presentations to explain the developments in the project
- Updating the tasks on daily basis to the manager

Project #2

Client: ABB

Domain: Manufacturing

Role: Data Scientist

Technologies: Feature Engineering, Multi-variate Regression, EDA

Responsibilities:

- Developed a prediction model for ABB Gas Turbine Engine to predict a catastrophic failure using a time-series data.
- Model was built using multivariate regression and feature engineering as the number of feature ranges more than 200

POC #1

Project : Chatbot implementation in Tourism (a pilot project) **Client** : Lonely Planet

Technology : Artificial Intelligence

Languages : Python 3.X

Description:

Modern digital messaging platforms have extended the traditional vanilla messaging service to being more features based and affordable. Gone are the days when you just messaged plain text in abbreviated form, today message can contain any forms of media. With ever growing user base, being engaged in this medium messaging as a platform was bound to leap to the next level of innovation - Chatbots. This pilot Project aims to implement a Chatbot kind of system like a travel guide using Python where it asks says and replies back to the user commands.

Responsibilities:

- Involving in various discussions and understanding the requirements
- Using Python (IDEs like Spyder, iPython (in Anaconda))

- Imported Various packages (pyttsx,pygame,webbrowser,mp3play)

- Making presentations to explain the developments in the project
- Updating the tasks on daily basis to the manage