Research Paper Publications

Sent 2 research papers for publication at International Conference on Emerging Trends in Information Technology (ICETIT - 2019). The papers will indexed by Springer.

The papers are under review and the acceptance notification will be released on April 20, 2019.

Titles of the papers:

1. Sentiment Analysis using Ensemble Classification Technique
2. Image Processing and Machine Learning Approach for Bone Fracture Detection and Classification.

Technical Paper Presentations

Presented 2 technical papers, won 1st and 3rd prize at GLA University, Mathura and Ajay Kumar Garg Engineering College, Ghaziabad.

The details are as follows:

1. Presented at: GLA University, Mathura.
   Event: Quintessence 2017 (Annual Tech Fest by Dept. of Computer Science & Eng.)
   Topic: Internet of Things
   Date: April 2017
   Position: 1st

2. Presented at: Ajay Kumar Garg Engineering College, Ghaziabad
   Event: Scrolls 2018 (National Level Annual Technical Paper Presentation Compt.)
   Topic: Semantic Web: Sentiment Analysis of Twitter
   Date: October 2018
   Position: 3rd

Projects

1. Sentter – Live Sentiment Analysis of Twitter Data
   (Jan 2019 to Present)
   The aim of this project is to develop a website that will fetch tweets as well as take inputs from the user and determine their sentiments behind the text. (Ex: "The weather is pleasant today" – "Positive")
   Linear regression is used for training the dataset.

2. Query Bot (QBee)
   (September 2018 to November 2018)
   The aim of this project was to develop an android build bot trained using Google Cloud's DialogFlow. It aims to resolve the queries of students of freshman year at GLA University, Mathura. (Ex: "What is the timing of dispensary?" – "The dispensary is open 24x7.").

3. Monthly milk production – pounds per cow
   (July 2018)
   The aim of this project was to predict the milk production of the cows.

4. RNN – LSTM model for sentiment classification in IMBD dataset
   (July 2018)
   The aim of this project was to determine whether a given movie review has a positive or negative sentiment.

5. Classification of digits from MNIST dataset
   (July 2018)
   The aim of this project was to determine the class of the digits from 0 to 9 using Keras.

6. Classification of objects from CIFAR – 10 dataset
   (July 2018)
   The aim of this project was to determine the class of 10 objects present in the dataset using TensorFlow.

7. Breast Cancer Detection
   (July 2018)
   The aim of this project was to detect breast cancer from the dataset present in Scikit Learn. Support Vector Machine was used using Scikit Learn.

8. Classification of the species of Iris
   (June 2018)
   The aim of this project was to predict the species of Iris from the dataset. Support Vector Machine was used using Scikit Learn.

9. Classification Problem
   (June 2018)
   The aim of this project was to classify whether or not the borrower will return money to the investor. Random Forest and Decision Tree were used using Scikit Learn.

10. Classification Problem
    (June 2018)
    The aim of this project was to classify the class of income using California Census Data using TensorFlow.

11. Classification Problem
    (June 2018)
    The aim of this project was to classify whether or not the patient shows signs of diabetes according to World Health Organization criteria using TensorFlow.

12. Regression Problem
    (June 2018)
    The aim of this project was to predict the approximate median house value of each block in California from the dataset using TensorFlow.