Happy **Sisodia**

Software Engineer · Data Scientist

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Summary

Adaptable Computer Science Major Currently attending Clemson University , with over 2 years of work Experience. Aiming to leverage a proven knowledge of Advanced technology, application development and database design to successfully prove myself. I am a diligent worker and can be relied upon to make valuable contribution to company in achieving its goals and providing data driven, action oriented solution to challenging business problems

Education

Clemson University *Clemson, South Carolina*

M.S. in Computer Science *Jan. 2019 - Dec. 2020*

- Coursework: Data Mining, Artificial Neural Network, Data Analysis, Applied Data Science, Intro. to Artificial Intelligence, Multimedia Application

Gujarat Technological University *Gujarat, India*

B.E. in Computer Science *Aug. 2011 - July. 2015*

- Coursework: Data and file structure, Analysis of algorithm, Database Management System

Work Experience

Thirdware Solution Ltd *Mumbai, India*

Software Engineer *Aug. 2015 - Dec. 2017*

- Modify existing software – QAD to fit according to the needs of the client and to upgrade interfaces and improve performance. Development of report, maintenance screen or a whole new module.
- Advice customer about or perform maintenance of software system.
- Store, retrieve and manipulate data for analysis of system capabilities and requirements
- Confer with project manager to obtain information on limitation and capabilities for data processing projects
- Supervise and assign work to programmers, designers and other engineers to work and code in QAD
- Prepare reports concerning project specification , activities or status
- Worked for various clients like Lear, Watts Water and Vishay Semiconductor

Projects

CNN FOR IMAGE CLASSIFICATION

- Built an Convolutional Neural Network model using sequential method of Keras to predict the label of Image. The training and testing of the model was done using CIFAR-10 dataset.I achieved an accuracy of 76 on the dataset using this model. Moreover used different pre-processing steps – Normalization and One hot Encoding.

K-MEANS CLUSTERING USING RANDOM MATRIX SPARSIFICATION

- Analysed and compared the performance of K-Means on data Matrix and sparse data matrix. The performance of K-means on sparse data matrix was optimal and took less time.

FEED FORWARD NEURAL NETWORK TO PREDICT INJURY SEVERITY

- Built an Multi-layered feed forward Neural Network using only NumPy to predict the injury severity. The model was trained and tested on the FARS dataset for the year of 2018.
- The MLP gave an accuracy of 46 for the multi-class classification and 60 for the binary classification

MULTI-LABEL CATEGORIZATION OF CONSTRUCTION PROJECTS

- Successfully Extracted and labelled important information using supervised learning from construction contracts and project requirement document using python. This was done using Naïve-Bayesian, SVM, logistic regression and feed forward neural network. To improve the accuracy Word2Vec, Doc2vec and various other data cleaning methods were also used

FCN For Image Segmentation

- In this Project I have done Scene Parsing of Images using segmentation of models built upon a base of VGG16 network. The model built is similar but the final classifier layer has been discarded and has been converted to fully connected layer to convolutions.

Skills

Front-end HTML5, CSS3

Programming Python, R, C, C++, Progress, SQL, LaTeX

Others Linux, MS Office, QAD, Github