Happy Sisodia

Data Scientist | Providing data driven, action oriented solution to challenging business problems
864-633-7003 | happysisodia@gmail.com | Clemson, SC

SKILLS

PROGRAMMING
Python ● R ● SQL
Progress ● C

LIBRARIES & TOOLS
Pandas • NumPy • Scikit-Learn
SciPy • Seaborn • Matplotlib
PyTorch • TensorFlow • Keras
Colab • Jupyter • GitHub Actions

EDUCATION

CLEMSON UNIVERSITY
MS IN COMPUTER SCIENCE
Expected December 2020 | Clemson, SC

GUJARAT TECHNOLOGICAL UNIVERSITY
BE IN COMPUTER SCIENCE
Graduated July 2015 | Gujarat, India

COURSEWORK

Data Mining
Intro. to Artificial Intelligence
Applied Data Science
Artificial Neural Network
Multimedia Application
Data Analysis
Data and file structure
Analysis of algorithm
Database Management System

LINKS

GitHub: Happy sisodia
LinkedIn: happy-sisodia
Portfolio: happy portfolio

STRENGTHS

Oral and written communication
Reliable and consistent
Committed to lifelong learning
Team Building

WORK EXPERIENCE

THIRDWARE GLOBAL SOLUTION | SOFTWARE ENGINEER
AUG 2015 – DEC 2017 | MUMBAI, MAHARASHTRA

- 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

MULTI-LABEL CATEGORIZATION OF CONSTRUCTION PROJECTS | DATA MINING

- 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

CNN FOR IMAGE CLASSIFICATION | NEURAL NETWORKS

- 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 | Machine Learning

- 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 | APPLIED DATA SCIENCE

- 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 made gave an accuracy of 46% for the multiclass classification and 60% for the binary classification.