### 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: <u>Happy sisodia</u> LinkedIn: happy-sisodia

#### **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 OAD.
- 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.