Sambasiva Rao Gangineni

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EDUCATION

BOSTON UNIVERSITY
MSc in Computer Info Systems
Exp Dec 2019 | Boston, MA
Cum. GPA: 3.93 / 4.0

R.V.R & J.C C.E
B.Tech in Civil Engineering
Grad. May 2017 | Guntur, India
Cum. GPA: 9.23 / 10.0

LINKS

Github:// **samba693**
DevPost:// **samba693**
LinkedIn:// **in/samba693**
Twitter:// **@samba693**
StackOverflow:// **users/8721887/**

COURSEWORK

GRADUATE
Big Data Analytics
Artificial Intelligence
Data Mining and Business Intelligence
Database Design and Implementation
Foundation of Analytics
Information Structures with Python
Data Structures and Algorithms
System Analysis and Design

UNDERGRADUATE
Programming with C + Practicum
Database Management System
Computer Programming in CEngg
(Teaching Asst)

SKILLS

PROGRAMMING
Python • Java • C • R • SQL • bash
HTML • CSS • Javascript • Matlab

DATABASES
Oracle 10g • Elasticsearch • MongoDB

FRAMEWORKS
Spark • Flask • TensorFlow

SOFTWARE & TOOLS
Docker • AWS • Git • WEKA • SAS
Logstash • Kibana

AWARDS

Won 3rd Prize - Imound
Best use of Algolia API - Victory
Best use of IBM Cloud - ResQU
Won 1st Prize at University - Chess

EXPERIENCE

BU HEALTH INFORMATICS LAB | Graduate Research Assitant
May 2018 – Present | Boston, MA

- Analyzing the MarketScan commercial database of 3TB in size, stored in SAS format.
- Effictively utilizing low memory resources for huge data files.
- Optimizing existing code and writing new code in python for data conversion, filtering , insights and visualization using sas7bdat, pandas, matplotlib, plotly and numpy.

RESEARCH

DEBS 2019 GRAND CHALLENGE | Researcher
Dec 2018 – Present | Boston, MA
Working with **Prof Kia Teymourian** to come up with a state-of-the-art method to detect the multiple objects in a scene, where data is in format of point cloud.

PRESENTATION

6TH ICBD IN ECONOMICS, SCIENCE & TECHNOLOGY
July 2018
Abstract of *A Study of Hospitalized Diabetes Patients with Health Insurance in USA* was presented along with **Prof Guanglan Zhang**.

PROJECTS

IMOUND - Tensorflow Label dectection, Image Enhancement
TensorFlow model which is trained on ImageNet dataset is used to detect the objects in the image and sound is integrated with the image.

NEWS SNIPPETS - TopicModelling, TextRank, LDA
Topic modelling is done on the news data set using Latent Dirichlet Allocation. Extractive text summarization technique, TextRank, is used for text summary.

BASEBALL MANIA - Sentiment Analysis, Prediction by sentiment
Tweets involving the teams before the baseball match day are collected and sentiment is calculated. Using the sentiments, match result is predicted.

EMPLOYMENT STATUS PREDICTION - Classification
Predicted the employment status of a person based on many social factors using 20 classifier models using WEKA.

VICTORY - Google Cloud Fire Store
Created a website where people can post the jobs for veterans, organise meetups and Donate for the community.

RESQU - Disaster Management
An application built for SOS service, NGO's & EMA's search, Analysis & Visualization of Flood Risk in the various state of US and Precautions & Remedies for various disasters.

ETL - Python, SQLite
Extracted the data from the CSV files, transformed the data into the acceptable format by the Sqlite3 database and loaded the transformed data in to database