# 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 ASSISTANT

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

## 6<sup>TH</sup> 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