# Sambasiva Rao Gangineni

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## EDUCATION

**BOSTON UNIVERSITY**
MSc in Computer Info Systems
Exp Dec 2019
GPA: 3.93 / 4.0

Coursework
Big Data Analytics
Artificial Intelligence
DataMining & Business Intelligence
Database Design & Implementation
Data Structures & Algorithms

**R.V.R & J.C C.E**
B.Tech in Civil Engineering
Grad. May 2017
GPA: 9.23 / 10.0

Coursework
Programming with C + Practicum
Database Management System
Geo Information Systems
Computer Programming in CEngg
*( Teaching Asst )*

## SKILLS

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

**DATABASES**
My SQL • Elasticsearch • MongoDB

**CLUSTER & ML FRAMEWORKS**
Spark • TensorFlow • Hadoop

**SOFTWARE & TOOLS**
Docker • AWS • Git • SAS • Logstash
Kibana • Flask

## LINKS

Github     **samba693**
DevPost     **samba693**
StackOverflow     **users/8721887/**

## VOLUNTEER

2016    RVRJC, Sports    Organizer
2016    RVRJC, Fest    Organizer

## EXPERIENCE

**HEALTH INFORMATICS LAB** | Graduate Research Assistant
May 2018 – Present | Boston University | Boston, MA
- Analyzing the MarketScan commercial database of 3TB in size, stored in SAS format.
- Effectively utilizing low memory resources for huge data files.
- Optimizing existing code & writing new code in python for data conversion, filtering , insights & visualization using sas7bdat, pandas, matplotlib, plotly & numpy.

## RESEARCH PROJECTS

**COMPUTER VISION LAB** | Researcher
Dec 2018 – Present | Boston University | Boston, MA
- Working with point-clouds collected by LiDAR in urban environment, to detect the objects in a 3D scene.
- Challenges are object segmentation and classification in real-time and no labels tagged to objects in training data in multi-object scene.

**6TH ICBD IN ECONOMICS, SCIENCE & TECHNOLOGY**
July 2018
- *A Study of Hospitalized Diabetes Patients with Health Insurance in USA* was presented.
- Research questions asked are effects of work place on types of diseases and common comorbidities present in hospitalized diabetes patients.

## PROJECTS & AWARDS

**RESQU** - Disaster Management
Link: https://github.com/samba693/ResQU | BigRed Hacks, 1st place
An application built for SOS service, NGO's & EMA's search, Analysis & Visualization of Flood Risk in the various state of US for various disasters.

**VICTORY** - Google Cloud Fire Store
Link: https://github.com/samba693/Victory | Boston Hacks, 1st place
Created a website where people can post the jobs for veterans, organise meetups and Donate for the community.

**IMOUND** - Tensorflow Label dectection, Image Enhancement
Link: https://github.com/samba693/Imound | Att Hacks, 3rd place
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
Link: https://github.com/samba693/News-Snippets
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
Link: https://github.com/samba693/BaseBallHackDay2019
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.

**ETL** - Python, SQlite
Extracted the data from the CSV files, transformed the data according to the Sqlite3 database and loaded the data in to database