

# Sambasiva Rao Gangineni

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## EDUCATION

### BOSTON UNIVERSITY

#### MSC IN COMPUTER INFO SYSTEMS

Grad. Jan 2020

GPA: **3.86 / 4.0**

#### COURSEWORK

Big Data Analytics  
Artificial Intelligence  
Data Mining & 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  
React • Go

### DATABASES

My SQL • Elasticsearch • MongoDB

### CLUSTER & ML FRAMEWORKS

Spark • TensorFlow • Hadoop

### SOFTWARE & TOOLS

Docker • AWS • Git • SAS • Logstash  
Kibana • Flask • Redis

## LINKS

Github	<a href="https://github.com/samba693">samba693</a>
DevPost	<a href="https://devpost.com/users/samba693">samba693</a>
StackOverflow	<a href="https://stackoverflow.com/users/8721887/samba693">users/8721887/</a>

## SPORTS

2016	College, Chess	1 <sup>st</sup> place
2016	University, Chess	1 <sup>st</sup> place
2015	College, Chess	3 <sup>rd</sup> place

## VOLUNTEER

2016	RVRJC, Sports	Organizer
2016	RVRJC, Fest	Organizer

## EXPERIENCE

### BOSTON UNIVERSITY | TEACHING & RESEARCH ASSISTANT

Sep 2019 – Dec 2019 | Boston, MA

Setting up the assignment evaluation system for the METCS777 BigData Analytics course. Solving the doubts in Spark during the lab sessions.

### DIAMETER HEALTH | INFORMATICS AND ENGINEERING INTERN

Jun 2019 – Aug 2019 | Boston, MA

Wrote a JavaScript transpiler for the Clinical Quality Language in Go. Generated synthetic Clinical HL7 messages in JavaScript. Worked on the product fusion including writing the queries for MongoDB, maintaining the document queues in redis in Docker environment.

### HEALTH INFORMATICS LAB | GRADUATE RESEARCH ASSISTANT

May 2018 – May 2019 | 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 PAPERS

### ACM DEBS 2019 | DISTRIBUTED AND EVENT BASED SYSTEMS

Jun 2019 | TU Darmstadt | Darmstadt, Germany

<https://doi.org/10.1145/3328905.3330297> | [Performance & Audience Awards](#)

Real-Time Object Recognition from Streaming LiDAR Point Cloud Data in urban environment. Challenges are object segmentation & classification in real-time & no labels tagged to objects in training data in multi-object scene.

### 6<sup>TH</sup> ICBP 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, 1<sup>st</sup> 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, 1<sup>st</sup> place](#)

Created a website where people can post the jobs for veterans, organise meetups and Donate for the community.

### IMOUND - TENSORFLOW LABEL DETECTION, IMAGE ENHANCEMENT

Link: <https://github.com/samba693/Imound> | [Att Hacks, 3<sup>rd</sup> 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>

### BASEBALL MANIA - SENTIMENT ANALYSIS & PREDICTION

Link: <https://github.com/samba693/BaseBallHackDay2019>