

# Sai Harsh Tondomker

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## EDUCATION

### IIIT - HYDERABAD

M.S IN COMPUTER SCIENCE AT  
C-STAR LAB  
2018 - present | Hyderabad, India  
Research Area: Parallel Computing and  
Graph Theory

### IIIT - CHITTOOR

B.TECH(HONS IN COMPUTER  
SCIENCE)  
2013 - 2017 | Sri City, Chittoor  
Research Dean's List (Semester 8)  
Cum. GPA: 8.02

### NARAYANA JR COLLEGE

SENIOR SECONDARY  
2011 - 2013 | 91.2/100 | IPE

## SKILLS

Programming  
C • C++ • Python • JAVA • Matlab •  
Socket Programming • R •  
HTML5 • CSS3 • LaTeX

Frame Works  
QGIS • Web2Py • Django

## COURSEWORK

Data Structures & Algorithms  
Advance Algorithms & Graph Theory  
Artificial Intelligence & Machine Learning  
Operating Systems  
Computer Architecture  
Principle of Programming  
Language(Awarded Hons Certificate)

## EXPERIENCE

### UNIVERSITY OF VALENCIA | RESEARCH INTERN

May 2017 – Nov 2017

- Processing and clustering Twitter data on various factors.
- Finding the participation levels of users in multiple dimensions.
- This work is published in Elsevier journal one of the top A grade journal.

### INDIAN SCHOOL OF BUSINESS | RESEARCH INTERN

Nov-2017 to Jan-2018 | Hyderabad

- Finding the effect on small stores if a popular store is shut down in a mall.

### IIC TECHNOLOGIES & GOVERNMENT OF DELHI | QGIS DEVELOPER

Aug-2017 to Nov-2017 | Hyderabad

- Built a QGIS plugin which helps to understand the weather information, predicts it's trend and displays the interpolation.
- This plugin dropped down the cost from 25 Lakhs to NIL.

### IIIT - CHITTOOR | TEACHING ASSISTANT

Aug-2014 to Dec-2016 | Sri City, Chittoor

- Worked as T.A for Algorithms, Math-I, Data Structures, Math-III, C Programming for UG students in IIIT-Chittoor for 5 Semesters.

## PROJECTS

### CROWD STEERING (MIT MEDIA LABS) | PYTHON DEVELOPER

July 2015- Sept 2015 | Nashik, India

- Worked on a real time framework built upon python and Amazon EC2 to do crowd analytics and predict flow of crowd using Heat-map.
- This project was completely funded and supported by MIT Labs.

### EFFICIENT EAR DECOMPOSITION ALGORITHM

Jan. 2016 - Sep. 2016 | Sri City, Chittoor

- Breaking the time complexity of an existing algorithm of Ear Decomposition(an algorithm to find the Bi-connectivity of a graph.)
- Concluded with 2X Speed Up. It was published in DAM-2017 Journal, Germany.

### APPLICATION FOR STOCK MARKET

Dec. 2016 - Jan. 2017 | Finsol Tech, Hyderabad

- Developed an application using socket programming which communicates with Shanghai Stock Market.
- Though this application market data will be viewed and orders can be placed and canceled with the delay of 5 nanoseconds.

## ACHIEVEMENTS & AWARDS

- HackerEarth Campus Ambassador and selected in Internshala Student Partner 6.0.
- Certificate for High Performance Parallel Computing course which was held in IIT Madras.