SAI HARSH TONDOMKER

Room# 3303, Boys Hostel, IIIT Chittoor, Sri City.
+91-7702605580 ⋄ saiharsh.t13@iiits.in ⋄ saiharsh.github.io

PROFESSIONAL SUMMARY

· My objective is to attain a dynamic and challenging platform, which would offer an opportunity to me to follow my passion in software engineering and development. I intend to add value to whatever I do to the best of my abilities. My main area of interest is Graph Theory apart from that, I am also interested in Programming, Data Structures, Parallel Programming, Algorithmic Engineering and Web Development. I am technically good at C,C++,Python. I am also comfortable with R,Java.

EDUCATION

Indian Institute of Information Technology, Chittoor *2013 - Present*
B.Tech in ECE and **Honors in Computer Science** CGPA: 8.02(Till Date)

EXPERIENCE

Research Student, Undergraduate Honors in Algorithmic Graph Theory, IIIT Sri City. *2015 - 2017*
Under Trainee T.A, Maths-I and Data Structures courses, IIIT Sri City. *2014 - 2015*
Teaching Assistant, Algorithms and Maths-III courses, IIIT Sri City. *2015 - 2016*
Teaching Assistant, Algorithms course, IIIT Sri City. *2016 - Present*
Summer Research Intern, C-STAR, IIIT Hyderabad. *May 2016 - July 2016*
Summer Internship, ChooseToThinq, Pune. *June 2015 - August 2015*
Winter Internship, Finsoltech, Hyderabad. *December 2016*

TECHNICAL STRENGTHS

Computer Languages C, Python and Basic in MATLAB, HTML,CSS, SUMO, R
Software & Tools QGIS, LaTeX, Web2py, Django

PROJECTS

Efficient Ear Decomposition Algorithm Jan. 2016 - Sep. 2016
Mentors: ***Prof.Kishore Kothapalli*** *(IIIT Hyderabad) and* ***Dr.RamaKrishna.G*** *IIIT Hyderabad*

· The Work has been done to break the time complexity of an existing algorithm of Ear Decomposition(an algorithm to find the Bi-connectivity of a graph.) and we concluded with 2X Speed Up.

Shortest Fast Path Algorithm in Temporal Graphs Aug. 2015 - Jan. 2016
Mentor: ***Dr. Ramakrishna.G*** *IIIT Sri City*

· Implemented an Algorithm to find the fastest path among all Shortest paths in Temporal Graph which have time stamps and weights on each edge.

Crowd Steering (MIT Media Labs) July 2015- Sept 2015
Mentored by ***Dr.Lavanya Addepalli*** *and Co-mentored by* ***Prof.Ramesh Raskar*** *Kumbhathon-Nashik*

· In this project we worked on a real time framework built upon python and Amazon EC2 to do crowd analytics and predict flow of crowd using Heat-map.

HONORS & AWARDS

· Honor Code Certificate from **MITx** for successfully completing a course on *"Introduction to Computer Programming Using Python".*
· HackerEarth Campus Ambassador and selected in Internshala Student Partner 6.0.
· Certificate for **High Performance Parallel Computing** course which was held in IIT Madras.