

SAI CHARAN REGUNTA

@ charan.regunta@gmail.com

☎ (+91)9490102123

🔗 saicharanregunta.github.io

EXPERIENCE

Data Science Intern

📅 Summer '17 📍 LnT Tech. Services, Bengaluru

- Integrated and developed a CNN model for text classification using tensor flow in python.
- Increased accuracy of their existing model from 90% to 95%.

Software Development Intern

📅 Winter '16 📍 Finsol Technologies, Hyderabad

- To enable easy access to Shanghai Stock exchange by establishing an efficient connection based on CTP Protocol. (C++)

Research Intern

📅 Summer '16 📍 IIIT Hyderabad

- Authored an efficient algorithm for Ear Decomposition (to find the Bi-connectivity of a graph.) an achieved 2X speedup.

Teaching Assistant

📅 AYs '14-'17, Monsoon '19 📍 IIIT Hyderabad and IIIT Sri City

- C-Programming, Data Structures and Algorithms courses.
- Office hours, lab sessions, designing lab and homework assignments, grading tests.

PUBLICATIONS

S.C.Regunta, S.H.Tondomker and K.Kothapalli

Efficient Algorithms for Estimating the Farness Centrality in Parallel, *Inter. Par. and Distri. Proc. Symp. Work.*, 2019

D.D, K.Kothapalli, G. Ramakrishna, **S.C.Regunta** and S. Harsh
An Efficient Ear Decomposition Algorithm, *15th Cologne-Twente Workshop on Graphs and Comb. Opt.*, 2017

TECHNICAL SKILLS

Computer Languages C, C++, Python, MATLAB and Java
Software & Tools QGIS, \LaTeX , web2py, ipe.

HONORS & AWARDS

- **Deans Research Award**, IIIT Sri City AY '16-'17
- **Students Travel Grant**, High Performance Computing, Data and Analytics (HiPC), Bengaluru. November-'18
- **Students Travel Grant**, Indian Symposium on Computer Systems, IIT Hyderabad. September-'18
- **Participant**, High-Performance Parallel Computing, GIAN course, IIT Madras. June-'16

EDUCATION

MS by Research in Computer Science

IIIT Hyderabad

📅 2017 – Present

B.Tech. (Hons. in Computer Science)

IIIT Sri City

Research Dean's List

📅 2013 – 2017

PROJECTS

Dynamic Centrality Measures

- Graph reduction techniques to optimize running time for algorithms used to calculate centrality values for nodes in a graph.

iPython Interpreter in python

- iPython look alike Interpreter which performs all basic mathematical operations.
- Added features to define functions and variables.

GIS based Tour Guide

- A tour guide software which provides important information that is extracted from Wikipedia using Machine Learning.
- Audio enabled interface to explore tourist locations around the user.

TIC-TAC-TOE Bot

- 95% chances of wining and 100 % for a draw.
- Built using Java RMI interface to connect with players, upto 1000 players could play game simultaneously.

Visualization of Towns on QGIS Desktop

- Highlighting the area of a given town (or postal code) by showing its talak, mandal, district, state on QGIS Desktop.

Android Device Controlled Bot

- Mobile application controlled bot for basic navigation scenarios via Bluetooth.

Links : github.com/SaiCharanRegunta

CO-CURRICULAR ACTIVITIES

- Member of Student Parliament, IIIT-H. AY '19-'20
- Program coordinator, IEEE Student Branch, IIIT-H. AYs '17-'19