

# Datta Sainath Dwarampudi

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## EDUCATION

**New York University**, New York May 2018

Master of Science, *Computer Science*

GPA: 3.9/4.0

Courses: Data Structures & Algorithms, Machine Learning, Computer Networks

**Jawaharlal Nehru Technological University**, Hyderabad, India

May 2012 – May 2016

Bachelor of Technology, *Electronics and Communication Engineering*

GPA: 3.9/4.0

## TECHNICAL SKILLS

**Programming Languages** : Java, C, C++, MATLAB, Python, HTML & CSS.

**Database** : MySQL.

**Operating Systems** : Windows, Mac OS X, Ubuntu.

**Other Tools** : Eclipse, MS Office, GIMP, Arduino, Raspberry Pi

## PUBLICATIONS

Datta Sainath D., Susheel Karthik V. VIBGYOR BOX: Hybrid Password, single authentications step with text and graphical based password. *International Conference on Innovations in Computer Science and Information Technology, India.*

Datta Sainath D., Venkat Sai Vivek K. Efficiency of LiDAR Sped Gun. *Institute of Research and Journal Proceedings of 5<sup>th</sup> IACEECE-2013.*

## ACADEMIC PROJECTS

***Intelligent Traffic Light System using Digital Image Processing Technique & IR Sensors (Python)***

Used a series of Digital Image Processing techniques to analyze the traffic of a road.

Estimated amount of green light to be allotted for a way to control the traffic congestion affectively.

***Optical Character Recognition (MATLAB)***

Aim of this project was to capture the registration plates of cars violating rules.

Stores the number on the number plate in a MS Word (.doc) file for easy storage and retrieval.

***Design of Pulse Compression Sequences using Particle Swarm Optimization Algorithm for Radar Systems (MATLAB)***

Achieved 75% accuracy when correlated with (IEEE) internationally published papers.

Successfully implemented this program using very low hardware requirement (2GB RAM).

## EXPERIENCE

***Electronics Corporation of India Limited***, Hyderabad, India

Mar 2014 – Apr 2014

***Summer Intern (Embedded C language)***

Designed and constructed a PIC-Based IR Remote Control Moving Robot which has a huge scope for carrying out human rescue missions by establishing a communication link between a universal infrared remote control to a PIC based.

## TRAINING PROGRAM

***Bharat Sanchar Nigam Limited***, Hyderabad, India

Sep 2014 – Nov 2015

Acquired good technical skills by operating on state of the art telecom equipment. AICTE (All India Council for Technical Education) has completely sponsored my training program, recognizing my meritorious engineering academics.

## ONLINE COURSES

***The Data Scientist Toolbox***, John Hopkins University, Coursera (Grade: Distinction)

***Programming for Everybody(Python)***, University of Michigan, Coursera (Grade: Distinction)

***Massively Multivariable Open Online Calculus***, The Ohio State University, Coursera (Grade: Distinction)

***Calculus One***, The Ohio State University, Coursera (Grade: Accomplishment)