## Saravanan Rajendran

#### **Student**

A machine learning and computer vision enthusiast, with a lot of exposure to both of them. Seeking a challenging problem to solve in either of the fields to leverage my skills. I can work well under pressure and could complete the tasks assigned to me on time.



## Personal Info



## **Experience**

#### **Address**

G1 flat , Sangeetha residency, Mangadu , Chennai 600122, Tamil Nadu, India.

#### **Phone**

8148871477

#### E-mail

its.saravanan.rajenderan@gmail.com

#### Date of birth

20-11-1997

#### GitHub

https://github.com/thunderbo1t

#### **Profile**

https://thunderbo1t.github.io/

#### Medium

https://medium.com/@saravananraje nderan

#### Kaggle

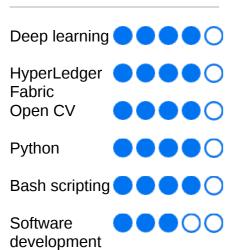
https://www.kaggle.com/thunderb0lt

#### LinkedIn

https://www.linkedin.com/in/saravana nrajenderan/



## **Skills**



#### 2018-05 - Intern - student trainee

2018-07 Samsung Research Institute Bangalore

### Responsibilities.

- · Infrastructure maintenance
- BlockChain & IOT developer
- Node developer

## 2017-05 - Intern - software developer

2017-06 myswots

#### Responsibilities.

- · Lead a team of 5 people.
- Developed a notes taking app in the browser for myswots.com.
- Developed scripts to automate simple tasks in the website.

#### 2017-06 - Intern - software developer and tester

2017-07 National Informatics centre

#### Responsibilities.

- Developed a program to test a load balancing architecture and a routing algorithm.
- Tested it rigorously to check the correctness of the implementation.
- Tested the algorithm and performed validation of the algorithm.
- Link to the project.



- CS231n Convolutional Neural Networks for Visual Recognition
- Blockchain Development on Hyperledger Fabric using Composer
- Blockchain for Business
   An Introduction to
   Hyperledger
   Technologies
- Cloud Computing
- Parallel and distributed computing
- Computer Networks
- Unix Internals
- Embedded Systems
- Compiler Design
- Computer Architecture



# Additional Experience

- Director of International services Rotaract club of CEG
- Organized Sangarsh (a musical concert) and Conclave (Talk show) which has 1000+ footfall for each show.
- Organized Microsoft AI workshop which had a footfall of 200+ people
- Member of CEG GNU Linux User's Club
- Part of webteam for Information Science and Techonology, Rotaract club of CEG
- Member of Robotics of CEG



## **Projects**

#### 2018 - 06 - Chain of trust

2018 - 06

(Hyperledger fabric, Escrow payments and smart contracts)

- Application built on top of hyperledger fabric.
- This will ensure the correct transfer of payment from client to developer and avoids frauds.
- Maintains transperancy between developer and the client.
- Link to the project.

### 2017 - 12 - Code Logic

present

(Linear Inductive Programming Synthesis and Deeplearning)

- This is project is a re-implementation of Deep coder by Microsoft and Cambridge
- It would generate the code for the given set of input-output lying in its domain.
- Link to the project.

## 2017-03 - Palm and finger replication

2017-06 (OpenCV and Arduino)

- A python program that would extract the posture of the hand, by identifying the fingers straightened out.
- Transfers the posture to the mechanical hand to be replicated.
- This can be used to replicate hand motion in real time with little latency without any sensors.
- Link to the project.

# 2017-09 - CS231n Convolutional Neural2018-01 Networks for Visual Recognition

(Assignments)

- These are the class assignment for the CS231n course.
- These assignment includes implementing (from scratch):
  - A GAN to generate digits (MNIST)
  - Style transfer algorithm to transfer the style from one image to another image
  - LSTM and RNN describing coco image dataset.
- Link to the assignments.



## **Honor & Award**

- Second runner up in Chargebee Women Tech Fab hackathon.
- Winner of <u>Technology</u> and <u>Innovative Project</u> <u>Expo</u> held at my college
- Winner of Project
   Exhibit during the celebration of <u>Software Freedom Day</u>



## Education

## College of Engineering Guindy, Chennai

B.Tech Information
 Science and
 Technology
 CGPA - 9.1 (Upto 6<sup>th</sup> semester

## 2017-07- **Happy coding**

2017-11 (Sublime plugin)

- It is a sublime plugin.
- It compiles the program in the editor and shows the output in the editor's console (If it does not have any error).
- It uses stack-overflow API to fetch the most appropriate answer for the error and it displays the inline (below the line which caused the error).
- Link to the project.

#### 2017-06 - Unusual

2017-11 (Conky front-end)

- This is a GUI for displaying the conky information in Linux systems.
- This is built in Lua scripting language.
- Link to the project.

More Projects have been hosted on Github.