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

Address

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

Phone
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E-mail
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Date of birth
1997-11-20

GitHub
https://github.com/thunderbo1t

Profile
https://thunderbo1t.github.io/Myself/

LinkedIn
https://www.linkedin.com/in/saravananrajenderan/

Skills

- Deep learning
- Open CV
- Python
- Bash scripting
- Software development

Experience

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 small tasks on 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.

Projects

2017 - 12 - *present* **Code Logic**

(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.
- It uses neural networks to search for the solution in the program space faster.
- Link to the project.

Courses

- CS231n Convolutional Neural Networks for Visual Recognition
- Cloud 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

Education

College of Engineering Guindy, Chennai

- **B.Tech Information Science and Technology**
- CGPA - **9.17** (Upto 5th semester)

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 Neural**
2018-01 **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 for coco image dataset
- Link to the assignments.

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.