Saravanan Rajendran

Under graduate

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 deliver on time.

Personal Info

Address

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Date of birth
20-11-1997

GitHub
https://github.com/thunderbo1t

Profile
https://thunderbo1t.github.io/

Medium
https://medium.com/
@saravananrajendran

Kaggle
https://www.kaggle.com/thunderb0lt

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

Skills

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

Experience

Present - **Software Engineer**

2018-07 *Myntra Desings*

Responsibilities.

- React Developer

2018-05 - **Intern – student trainee**

2018-07 *Samsung Research Institute Bangalore*

Responsibilities.

- Infrastructure maintenance
- BlockChain & IOT developer
- Node developer

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.

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.

Courses

- 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

2019 - 06 - **Image Inpainting Using Partial Convolution**

2018 - 06 *(Tensorflow, Pytorch, Numpy, PIL, Jupyter Notebooks)*

- A Deep learning model built using Tensorflow and Pytorch
- This is used to Inpaint images with random and irregular shaped holes
- Link to the project.

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 - 2018-01 **CS231n Convolutional Neural Networks for Visual Recognition**

(Assignments)

- These are the class assignment for the CS231n course.
- These assignment includes implementing (from scratch):
- Link to the assignments.

Honor & Award

- **Second runner up** in Chargebee Women Tech Fab hackathon.

- **Winner** of Technology and Innovative Project Expo held at my college
- **Finalist** in Accenture blockchain hackathon.
- **Winner** of Project Exhibit during the celebration of Software Freedom Day

Education

College of Engineering Guindy, Chennai

- **B.Tech Information Science and Technology**
  CGPA - **9.08**

2017-09 - 2018-01 **CS231n Convolutional Neural 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.

2017-07- *2017-11* **Happy_coding**

(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 - *2017-11* **Unusual**

(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.