Siddharth Chandra

https://siddharth2016.github.io/
https://github.com/Siddharth2016
Email: siddharthchandragzb@gmail.com
+91 8428885068

Summary

I am a highly-motivated individual, pursuing B.Tech in Computer Science and Engineering, looking to fill position as a Software Developer and wishing to use strong programming skills and team player qualities to help in the company's upcoming challenges.

Education

Vellore Institute of Technology, Chennai — Tamil Nadu, India
Bachelor of Technology in Computer Science and Engineering, CGPA 9.07/10.0 — *Expected May, 2019*

DehraDun Public School, Govindpuram — Uttar Pradesh, India
Senior Secondary, PCM, 12th CBSE, 92% — *May 2015*
High School, 10th CBSE, CGPA 10.0/10.0 — *May 2013*

Experience

Enability Foundation for Rehabilitation — *May 2018 - June 2018*
Software Developer, Python / OpenCV / Kivy Development

- Developed **VSIM - Vision Simulator**, a cross-platform application utilizing web-cam of laptop, provides the ability to simulate the surroundings of a person suffering from diseases like - **Cataract, Retinopathy, Glaucoma and AMD**. It used Kivy 1.10.0 for front-end and OpenCV 3.4.0 for simulation of diseases.
- Developed front-end and scanning algorithm for **HOPE**, a cross-platform application helping people, with speech disorder and those that are unable to see properly, to communicate with others by scanning from words to words while speaking them in order of scanning. It used Tkinter for front-end.

Academic Projects

- **Face Recognition:** Using EigenFaces, FisherFaces and LBPHFaces recognizer of OpenCV3 contrib_modules.
- **AQMS:** Arduino based air quality monitoring using MQ135 and DHT11 sensors that connects to ThingSpeak for data analysis.
- **Gesture Recognition:** Controlling applications like VLC and Chrome browser using hand movements.
- **RSAGraphy:** R-color channel image Steganography with RSA encryption, done in Python3.5.
- **Waste Detection:** Python3/OpenCV3 application detecting paper and cardboard waste, application trained over 3000 images.
- **Web Scraper:** A basic yet powerful implementation of web scraper and data extracted was saved in (csv) format.
- **MedicInfo:** A Health Care website, providing a symptom checker and information on several diseases and medicines.

Course and Certifications

- NPTEL online course on **Programming, Data Structures and Algorithms using Python** with consolidated score of 96%.
- Certificate of Merit for outstanding academic performance and for being among the **top 0.1 percent** of successful candidates in Mathematics, CBSE 12th board exam.
- Certificate of Merit for reason of outstanding performance and obtaining **Grade A1** in all five subjects, CBSE 10th board exams.

Skills

- **Languages:** Python3, C++, HTML, CSS, SQL
- **Technologies:** OpenCV3, Tkinter, MySQL
- **Frameworks:** Bootstarp 4

Interests

Computer Vision, Machine Learning, Internet of Things, Image Processing, Web Mining

Language Proficiency

Hindi - Proficient (CEFR)

English - Upper Intermediate (CEFR)