

Sriharsha Bommana

AI ENTHUSIAST

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Education

VIT Vellore

B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING

Vellore, Tamil Nadu

2016 - Present

Vidhyadham Junior College

SSC BOARD (MPC)

-Percentage: 95

Hyderabad, Telangana

2014 - 2016

FIITJEE World School

SSC BOARD XTH

-CGPA: 8.8/10

Hyderabad, Telangana

2013 - 2014

NUS High School of Maths and Science

HIGH SCHOOL

Singapore

2010 - 2013

Experience

OFF - CAMPUS

Signzy Technologies

DEEP LEARNING INTERN

Bangalore

May. 2018 - July. 2018

- Worked in the company's RnD team for two months and tried to research and develop deep learning based solutions to unique industrial problems
- Worked on the "Forgery Detection" problem mainly where I had to research about and develop a Computer Vision algorithm which can detect Copy-Paste attacks in ID Card images and got a final accuracy of 80

ON - CAMPUS

IEEE-VIT Student Chapter

VIT Vellore

CORE COMMITTEE MEMBER (TECHNICAL)

Jan. 2017 - Current

- Organized various hackathons and events (NASA Space Apps Challenge, SELECT Makeathon etc.) on campus.
- Taught ML+ (Machine Learning), E+ (Electronics) and W+ (Web Development) to the new fresher recruits in weekly based night sessions.
- Worked on multiple collaborative technical projects in Machine Learning, Electronics and Web Development domains.

Creation Labs

VIT Vellore

SOFTWARE AND EMBEDDED SYSTEMS DEVELOPER

April. 2017 - Current

- Worked on multiple UAV (Unmanned Aerial Vehicle) based projects where I worked on the embedded systems and software based parts of the project

Honors & Awards

ON-CAMPUS

2017 **1st Place**, HackBattle VIT 2017, IEEE-CS VIT

VIT Vellore

2017 **Finalist**, AngelHack Hyderabad 2017

Hyderabad

2017 **Best Business Potential**, DevFest 2017, Google Developers Group VIT

VIT Vellore

2018 **1st Prize**, Code2Create 2018, ACM VIT

VIT Vellore

2018 **2nd Prize**, CodeSpace 2018, CSI VIT

VIT Vellore

Projects

Clustering Segmentation Algorithm

VIT Vellore

IMAGE PROCESSING/ML PROJECT

Sep. 2017 - Oct. 2017

- Developed an alternate segmentation algorithm for images using LBP and RGB regional histograms and Unsupervised Learning
- Link: github.com/harshablast/clustering-segmentation-algorithm

Analog Clock Reader

VIT Vellore

IMAGE PROCESSING PROJECT

May. 2017 - Jul. 2017

- Developed an image processing algorithm which could read the time off an analog clock image using OpenCV
- Link: github.com/harshablast/analog-clock-reader

Sense Recognition

VIT Vellore

NATURAL LANGUAGE PROCESSING

Mar. 2018 - Present

- Working on a Natural Language Processing algorithm which enhances the process of Sentiment Analysis by performing Word Sense Disambiguation in an Unsupervised Fashion prior to the training
- Link: [github.com/harshablast/Sense-Recognition\(NLP\)](https://github.com/harshablast/Sense-Recognition(NLP))

Skills and Interests

AI

Machine Learning

- Familiar with most modern day Machine Learning Algorithms
- Proficient in developing Machine Learning models using SciKit Learn in Python
- Proficient in SciPy packages like numpy, pandas, etc for the purpose of Data handling and visualization

Deep Learning

- Familiar with Deep Learning Algorithms
- Proficient in developing Deep Learning Models from scratch using Keras or Tensorflow

Computer Vision

- Familiar with the state of the art Computer Vision algorithms
- Proficient in Image Processing using OpenCV in python
- Proficient in Building CNNs and Deep Computer Vision models using Keras and Tensorflow

Natural Language Processing

- Have studied and worked on modern day Natural Language Processing Deep algorithms
- Proficient in Text Processing using NLTK library in python
- Proficient in Building Deep NLP models using Keras and Tensorflow (RNNs/LSTMS)

COMPUTER SCIENCE

Web Development

- Back end Developer using Node.JS and MongoDB, have implemented and deployed multiple APIs for Websites, IoT systems and Mobile Applications
- Proficient in JavaScript and know how to use JQuery and Ajax to integrate Front end with Back end in Websites

Image Processing

- Familiar with Image Processing Algorithms used in modern day applications
- Proficient in usage of the OpenCV python API to develop Image Processing projects

Languages

- Proficient Python Developer with it being my favourite all time language. Can easily install and integrate third-party libraries into any projects
- Proficient JavaScript developer for both Front end and Back end application
- Proficient in C/C++
- Developed Back End applications using PHP and MySQL

EMBEDDED SYSTEMS

Microcontroller Programming

- Can program and interface ATmega microcontrollers with Arduino IDE
- Espressif - ESP8266 with Arduino IDE, can make IoT applications with the NodeMCU by integrating it with a Back end using HTTP requests

Online Courses / MOOCs

Machine Learning A-Z™: Hands-On Python and R In Data Science

Udemy

[HTTPS://WWW.UDEMY.COM/CERTIFICATE/UC-FRA6OZIB/](https://www.udemy.com/certificate/UC-FRA6OZIB/)

Dec. 2017

The Complete Node.js Developer Course (2nd Edition)

Udemy

[HTTPS://WWW.UDEMY.COM/CERTIFICATE/UC-9NKECJF4/](https://www.udemy.com/certificate/UC-9NKECJF4/)

Dec. 2017

Deep Learning and Computer Vision A-Z™: OpenCV, SSD and GANs

Udemy

[HTTPS://WWW.UDEMY.COM/CERTIFICATE/UC-UYW6AWIT/](https://www.udemy.com/certificate/UC-UYW6AWIT/)

Dec. 2017

Computer Vision Intro™ OpenCV3 in Python and Machine Learning

Udemy

[HTTPS://WWW.UDEMY.COM/CERTIFICATE/UC-081PRoAF/](https://www.udemy.com/certificate/UC-081PRoAF/)

Nov. 2017