

# Sairam Tabibu

Website - [tabibusairam.github.io](https://tabibusairam.github.io)

| LinkedIn - [Sairamtabibu](#)

| Github - [tabibusairam](#)

## AREAS OF INTEREST

Computer Vision  
Deep Learning  
Pattern Recognition  
Human Computer Interaction

## EDUCATION

### IIT BHU, VARANASI

#### B.TECH. IN ELECTRONICS ENGINEERING

July 2013 - May 2017  
Cum. GPA: 7.65/10

## COURSEWORK

### ELECTRONICS ENGINEERING

Digital Signal Processing  
Optical communication  
Numerical methods  
Computer programming  
Wireless communications  
Signals and Systems  
Advanced Mathematics

### MOOC

Machine Learning by Andrew  
Ng(Coursera)  
Deep Learning by Andrew Ng( 5 courses )  
Data Structures and Algorithms Part 1&2  
(Coursera)  
Computer Vision by Mubarak Shah

### TECHNICAL SKILLS

C, C++, Matlab, Python, R, Latex  
Pytorch, Keras, Tensorflow  
Ansible, Slurm

### CO-CURRICULAR ACTIVITIES

Classical Singing  
Volunteering for Art of Living  
Theatre

## RESEARCH EXPERIENCE

### CANCER DETECTION | UNDER PROF. C.V JAWAHAR

November '17 – Present | IIIT Hyderabad, India

- Working on Histopathological Analysis of Kidney Carcinoma images deriving relevant inferences such as detection of Cancer and its subtypes and predicting the survival outcome using Deep learning.
- Journal Paper under review in NATURE COMMUNICATIONS.

### CROWD SIMULATION | UNDER PROF. MUBBASSIR KAPADIA

Summers'17 | Rutgers University, New Jersey

- Worked on crowd simulations investigating the variety of social forces and various optimizations which comes into play while trying to imitate a real time situation using the SteerSuite framework.

### MARITIME SURVEILLANCE | UNDER PROF. DEEPU RAJAN

Summers'16 | NTU, Singapore

- Worked on developing a Maritime surveillance system detecting Ships and vessels in IR domain using Deep learning. - Project Report

### FACE RECOGNITION | UNDER PROF. OH SEOL KWON

Summers'15 | CWNU, South Korea

- Worked on Improving and implementation of Real time face recognition algorithm on Embedded systems such as Raspberry Pi to be deployed as a low cost product. - Project Report

## RESEARCH PROJECTS

### LEXICAL AND VISUAL ANALYSIS OF SOCIAL MEDIA POSTS |

UNDER PROF. ERIK CAMBRIA

January - April '17 | NTU, Singapore

- Worked on understanding the sentiment that a person elicits on different posts present on different social media sites, on the topics of abuse or mental health.
- We propose a method supported by hand-crafted features to judge if the post requires an empathetic response. - paper

### MULTIMODAL ANALYSIS FOR DECEPTION DETECTION

September - December '17 | IIT BHU, Varanasi

- We propose a data-driven method for automatic deception detection in real-life trial data using visual and verbal cues.
- We extract facial features, acoustic patterns and word representations and combine them using ensemble of classifiers.- paper

## RESEARCH PAPERS

- Jaiswal, Mimansa, Sairam Tabibu, and Erik Cambria. "“Hang in There”: Lexical and Visual Analysis to Identify Posts Warranting Empathetic Responses." -published in FLAIRS'17 [pdf](#) | [url](#)
- Jaiswal, Mimansa, Sairam Tabibu, and Rajiv Bajpai. "The Truth and Nothing But the Truth: Multimodal Analysis for Deception Detection." -published in ICDM Data Mining Workshop '16 [pdf](#) | [url](#)

## ACHIEVEMENTS AND AWARDS

- Qualified JEE ADVANCED 2013 with All India Rank 2306 (99.92 percentile) among 1 million students.
- KVPY (Kishore Vaigyanik Protsahan Yogn) scholar with AIR 300 (99.97 percentile).