

# Sairam Tabibu

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## EDUCATION

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<b>2013-17</b>	B-Tech , Indian Institute of Technology , (BHU) Varanasi. Major: Electronics Engineering	<b>7.65/10.0</b>
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## EXPERIENCE

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<b>Oct'18-Present</b>	<b>Mentor, Deep learning Certificate Program</b> Great Learning, Bengaluru, India - Six months certificate program for software professionals - Mentoring professionals and grading of Deep learning assignments
<b>Nov'17-Present</b>	<b>Research Assistant, CVIT Lab</b> Under Prof. C.V. Jawahar, IIIT, Hyderabad, India - Working on Histopathological Analysis of Kidney Carcinoma to detect Cancer and its subtypes and predicting the survival outcome using Deep Learning.
<b>Jun-Aug'17</b>	<b>Technical Intern</b> [ Remote Intern ] Under Prof. Mubassir Kapadia, Rutgers University (N.B), USA - 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. Links - <a href="#">Youtube Channel</a> - demonstrating the simulations
<b>May-Jul'16</b>	<b>Research Intern</b> Under Prof. Deepu Rajan, Nanyang Technological University, Singapore - Worked on developing a Maritime surveillance system detecting Ships and vessels in IR domain using Deep learning. Links - <a href="#">Certificate</a> , <a href="#">Report</a> .
<b>May-Jul'15</b>	<b>Research Intern</b> Under Prof. Oh Seol Kwon, Changwon National University, 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. Links - <a href="#">Certificate</a> , <a href="#">Presentation</a> .

## PUBLICATIONS

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- C01** Jaiswal, Mimansa, **Sairam Tabibu**, and Erik Cambria. "“Hang in There”: Lexical and Visual Analysis to Identify Posts Warranting Empathetic Responses.” in Proceedings of the Thirtieth International Florida Artificial Intelligence Research Society Conference 2017. ([url](#)) ([pdf](#))
- C02** Jaiswal, Mimansa, **Sairam Tabibu**, and Rajiv Bajpai. "The Truth and Nothing But the Truth: Multimodal Analysis for Deception Detection.” Data Mining Workshops (ICDMW), 2016 IEEE 16th International Conference on. IEEE, 2016. ([url](#)) ([pdf](#))

## RESEARCH PROJECTS

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Dec'16-May'17	[Bachelor's Thesis] Hand gesture Recognition on Indian Sign language Guide: Dr. Kishor Sarwadekar, IIT BHU Project focused on developing an effective way for robust hand segmentation removing any ring artifacts or occlusion and using deep learning for feature extraction.
Jan-Apr '17	Lexical and visual analysis of social media posts Guide: Dr. Erik Cambria, NTU, Singapore Project involved understanding the sentiment that a person elicits on different posts present on different social media sites, on the topics of abuse or mental health by using a method supported by hand-crafted features to judge if the post requires an empathetic response.
Sep-Dec '16	Multimodal analysis for deception detection Guide: Dr. Erik Cambria, NTU, Singapore Proposed a data-driven method for automatic deception detection in real-life trial data using visual and verbal cues. Extracted facial features, acoustic patterns and word representations and combined them using ensemble of classifiers.

## RELEVANT COURSES

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- Digital Signal Processing
- Computer Programming
- Mathematics 1 & 2 [ Linear algebra and Calculus ]
- Numerical Methods
- Optical Communication
- Signals and systems
- Control Systems
- Digital Signal Processing
- Logic Design and Switching circuits
- Architecture and Organisation of micro-processor based systems
- Electrical Circuits and Systems

## MOOC's

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- Machine Learning by Andrew Ng (Coursera)
- Deep Learning specialisation certification ( 5 courses ) by Andrew Ng (Coursera)
- Data Structures and Algorithms Part 1 & 2, Stanford University (Coursera)
- Data structure Certification (Udacity)
- Computer Vision by Mubarak Shah

## ACHIEVEMENTS

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- Gave a workshop on Deception Detection at PyCON'16.
- Qualified IIT JEE ADVANCED 2013 with All India Rank 2306 (99.92 percentile) among 1 million students.
- KVPY (Kishore Vaigyanik Protsahan Yogna) scholar with AIR 300 (99.97 percentile).