Sairam Tabibu

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EDUCATION

2013-17	B-Tech , Indian Institute of Technology , (BHU) Varanasi. Major: Electronics Engineering	**7.65/10.0**

EXPERIENCE

Nov'18-May'19

Mentor, Deep learning Certificate Program
Great Learning, Bengaluru, India
- Six months certificate program for software professionals
- Mentoring professionals and grading of Deep learning assignments

Nov'17-Mar'19

Research Assistant, CVIT Lab [Cancer detection]
Under Prof. C.V. Jawahar, IIIT, Hyderabad, India
- Worked on Histopahological Analysis of Kidney Carcinoma images to detect Cancer and its subtypes and predicting the survival outcome using Deep Learning.
Links - Paper - accepted in NPG Scientific Reports

Jun-Aug'17

Technical Intern [Crowd simulation]
[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 - Youtube Channel - demonstrating the simulations

May-Jul'16

Research Intern [Object detection]
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 - Certificate, Report.

May-Jul'15

Research Intern [Face recognition]
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 - Certificate , Presentation.

PUBLICATIONS

J01 **Tabibu S**, Vinod PK and Jawahar CV "Pan-Renal Cell Carcinoma classification and survival prediction from histopathology images using deep learning." NPG Scientific Reports, 2019 **(accepted)** (pdf)

C01 Jaiswal, Mimansa, **Sairam Tabibu**, and Erik Cambria. ""Hang in There": Lexical and Visual Analysis to Identify Posts Warranting Empathetic Responses." in The Thirtieth International Flairs Conference - AAAI publications 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

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

- 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 microprocessor based systems
- Electrical Circuits and Systems

MOOC's

- 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

- 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).