

Jagan Mohan Reddy Danda

CONTACT INFORMATION	4-151 Santhamagalur Santhamagalur Prakasam - dist Andhra Pradesh, India	<i>Voice:</i> (91) 99129 42066 <i>Voice:</i> (91) 91607 38986 <i>E-mail:</i> jagan.reddy507@gmail.com Personal Website Google Scholar Profile
RESEARCH INTERESTS	Machine learning, Data mining, Computer vision, Network security, Internet of Things	
COMPUTER SKILLS	<ul style="list-style-type: none">• Statistical Packages: R, Matlab• Languages: C, Java, Python, PHP, Unix shell scripts• Applications: \LaTeX, common windows database, spreadsheet, and presentation software• Networking Tools/Simulator: Wireshark, iptables, ns3, Snort IDS, Malware analysis• Operating Systems: Unix/Linux, Windows• Cloud Platform(s): Azure ML Studio• Web Technologies: React, HTML, Java Script, CSS• BI/Data Science Tool: Tableau v10.2• Deep Learning Lib: PyTorch	
EDUCATION	<p>BITS-Pilani Hyderabad Campus, Hyderabad, Telangana <i>Department of Computer Science</i> Ph.D, Computer Science, August 2017</p> <p>Jadavpur University, Kolkata, West Bengal <i>Department of Computer Science</i> M.E., Computer Science, June 2010</p> <p>VNR VJIET, Bachupally, Hyderabad, Telangana <i>Department of Computer Science & Engineering</i> B.Tech, Computer Science, May, 2008</p>	
HONORS AND AWARDS	<p>Tata Consultancy Services (TCS) research fellowship, India, 2015.</p> <p>Qualified GATE-2007, secured rank 707, Feb. 2007.</p>	
TOOL(S) DEVELOPED	<p>Intrusion Detection for Peer-to-Peer Threats (IDPT) Implemented flow-based and host-based real-time peer-to-peer traffic classification using jNetPcap API and Weka API.</p> <p>Sentiment Analysis for Election Survey - (SAES) Scrape the tweets from the Twitter and calculated polarity scores using NLTK to predict the tweet is positive or negative using python.</p>	
ACADEMIC EXPERIENCE	<p>BITS-Pilani Hyderabad Campus, Hyderabad, Telangana. <i>Graduate Student</i> August, 2011 - May, 2015 Includes current Ph.D. research, Ph.D. and masters level coursework and research/consulting projects.</p> <p><i>Teaching Assistant</i> August, 2011 - May, 2015 Duties at various times have included office hours and leading weekly computer lab exercises. Shared</p>	

responsibility for lectures, exams, assignments, and grades.

INDUSTRY	<i>Data Scientist - Internship</i>	Sep, 2017 - till date
EXPERIENCE	Working as a Data Scientist Internship in Code Tree Software Solutions Pvt. Ltd, under taken Govt. of AP, Vijayawada. Under the supervision of P. Vishwanath, Sr. Technology Manager, SeMT	

	<i>Data Scientist Consultant</i>	Aug, 2016 - Aug, 2017
	Worked as a Sr. Data Analyst, Vedavaag Systems Ltd, Hyderabad	

WORKSHOPS AND	<i>IEEE Standards, IEEE, Bangalore, India</i>	July 2016
CONFERENCES	<i>IBM Developer Connect, IBM, Bangalore, India</i>	June 2016
ATTENDED	<i>Internet of Things (IoT), NIT, Warangal, India</i>	June 2016
	<i>Pattern analysis and information security, NIT, GOA</i>	July 2014
	<i>TACTiCS symposium on data privacy, TCS, Chennai</i>	Jan. 2014
	<i>Symposium on information security, BITS Hyderabad campus</i>	Nov. 2013

GUEST LECTURES	<i>Topic: Natural Language Processing & Neural Networks</i>	
	<i>Workshop on "Cognitive Computing",</i>	
	<i>Institute of Aeronautical Engineering, Hyderabad</i>	May. 2018

Experience Profile:

1. People First, Govt. of AP

- 1100 call center generates logs for both inbound & outbound calls. These are categorized to Manual & IVRS calls. The objective is to obtain the satisfaction level of citizens of AP.
- Once the logs are collected, several pivot reports are generated based on Govt. schemes using stored procedures (SPs) to understand the insights about citizen's.
- Over these reports, the regression models are applied to approximate and predict the citizen's satisfaction level.

2. Punjab elections, 2016 & Gujarat Election, 2017

- As an Analyst, written several stored procedures (SPs) to generate survey reports and correlated to several Govt. schemes (pension, ration etc.) to understand the voters behavior.
- The raw data is obtained from the field survey. Then the regression algorithms are used to understand the voters behavior at their caste level.
- Worked on GIS maps to visualize the voters satisfaction/behavior using Tableau at various GIS layers (Village, Mandal, Constituency and District level).
- Developed survey management web-app to provide holistic view of political survey insights (React JS and Java).

Python Project:

- Sentiment Analysis: Scraping of Tweets from Twitter using python to understand the sentiment of the voters. The sentiment is computed as positive, negative and compound using NLTK tool.
- Automated extraction of election results data from election commission of India.
- Automated the scraping of several regional and national newspapers. Then text is translated into English to summarize the text and understand about the sentiment of the article.

PUBLICATIONS

Chittaranjan Hota, Pratik Narang and **Jagan Mohan Reddy**, “Unwanted Traffic Identification in Large-scale University Networks: A case study”, Big Data Analytics: Methods and Applications, Springer book chapter, 2016. (**Book Chapter**)

Jagan Mohan Reddy and Chittaranjan Hota, “Attack Identification Framework for IoT Devices”. Accepted at the 3rd International conference on Information Systems and Intelligent Applications, Springer, India, 2016. (**Book Chapter**)

Jagan Mohan Reddy and Chittaranjan Hota, “Behavior-based P2P Traffic Identification using Fuzzy Approach”. Accepted at the International conference on Applied and Theoretical Computing and Communication Technology, IEEE, 2016. (**Conference**)

Jagan Mohan Reddy and Chittaranjan Hota. “Heuristic-based Real-Time P2P Traffic Identification.” In Emerging Information Technology and Engineering Solutions (EITES), 2015 International Conference on, pp. 38-43. IEEE, 2015. (**Conference**)

Jagan Mohan Reddy and Chittaranjan Hota. “P2p traffic classification using ensemble learning.” In Proceedings of the 5th IBM Collaborative Academia Research Exchange Workshop, p. 14. ACM, 2013. (**Conference**)

Narang, Pratik, **Jagan Mohan Reddy**, and Chittaranjan Hota. “Feature selection for detection of peer-to-peer botnet traffic.” In Proceedings of the 6th ACM India Computing Convention, p. 16. ACM, 2013. (**Conference**)

Jagan Mohan Reddy, Pratik Narang, and Chittaranjan Hota, “P2P Traffic classification of Intrusion Detection Systems”, workshop on Security & Privacy Symposium (SPS), IIT K, 2012. (**Conference**)

Jagan Mohan Reddy, Abhishek Thakur, Chittaranjan Hota, “Approaches for Measuring P2P Classification Efficiency for Intrusion Detection and Prevention Systems”, National Conference on Cyber Security, DIAT, India, 2012. (**Conference**)

Nibaran Das, **Jagan Mohan Reddy**, Ram Sarkar, Subhadip Basu, Mahantapas Kundu, Mita Nasipuri, “A statisticaltopological feature combination for recognition of handwritten numerals”, Applied Soft Computing 12.8 (2012): 2486-2495. (**Journal**)

REFERENCES

1. **Dr. Aruna Malapati**
Assistant Professor, +91 98666 72933
Department of Computer Science & Information Systems
Birla Institute of Technology & Science, Pilani - Hyderabad Campus
aruna@hyderabad.bits-pilani.ac.in
2. **Dr. T Venkata Rajini Kanth**
Professor, Dean R&D +91 98494 14375
Department of Computer Science & Engineering
Srinidhi Institute of Science & Technology
Yamnapet(V), Ghatkesar(M), RangaReddy(DIST)-501301
rajinitv@gmail.com
3. **Mr. Vishwanath, SeMT**
Sr. Technology Manager, +91 96185 84678
Information Technology, Electronics & Communications
Vijayawada, Andhra Pradesh.