

Sunil Sahu

Bio Data

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📄 <https://github.com/sunilitggu>



Education

- 2013–Present **Pursuing PhD**, *Department of Computer Science and Engineering, Indian Institute of Technology Guwahati, Assam, India.*
- 2011–2013 **M Tech (Computer Science)**, *School of Computer and Information Science, University of Hyderabad, Hyderabad, Andhra Pradesh, India.*
- 2005–2009 **BE (Computer Science and Engineering)**, *Department of Computer Science and Engineering, Guru Ghasidash Vishvavidyalay Bilaspur, Chhattisgarh, India.*

Research Interests

NLP, Bio NLP, Clinical NLP, Machine Learning, Deep Learning.

Professional Experiences

- 2016 **Internship**, *Graph and Text Analytics Group, Xerox Research Center India, Bangalore, Karnataka, India, 4-July to 3-October.*
- 2016 **Internship**, *Text Mining and Analytics Group, GVKBioscience Private Limited, Hyderabad, Telangana, India, 10-Feb to 9-April.*

Teaching Experiences

- 2016 **Intelligent Systems and Interfaces**, *Teaching Assistant, IIT Guwahati.*
- 2015 **Operating System and Lab**, *Teaching Assistant, IIT Guwahati.*
- 2014 **Programming Language**, *Teaching Assistant, IIT Guwahati.*
- 2013 **Natural Language Processing**, *Teaching Assistant, University of Hyderabad.*
- 2012 **Data Mining**, *Teaching Assistant, University of Hyderabad.*

Technical Skills

Python, C, C++.

Scholarships/Grants

- 2011-13 **MHRD fellowship to do M Tech.**
- 2013-17 **MHRD fellowship to do PhD.**
- 6-12 Aug 2016 **Selected for the grant of Rs 2 lac and 50 thousands to attend ACL-2016 Conference from Google Research India, Microsoft Research India and ACM-India/IARCS .**

Recent Works (published and submitted)

- ACL BioNLP 2016 **Relation extraction from clinical texts using domain invariant convolutional neural network**, *Sunil Kumar Sahu, Ashish Anand, Krishna Dev Orungati, Mahanandeeswar Gattu*, ACCEPTED.
- ACL 2016 **Recurrent neural network models for disease name recognition using domain invariant features**, *Sunil Kumar Sahu, Ashish Anand*, ACCEPTED.
- ICMLC 2016 **Predicting online doctor ratings from user reviews using convolutional neural networks**, *Ranti Dev Sharma, Samarth Tripathi, Sunil Kumar Sahu, Sudhanshu Mittal and Ashish Anand*, <http://www.ijmlc.org/vol6/590-L017.pdf>.
- ACL BioNLP 2015 **Evaluation of distributed word representation for capturing semantics of biomedical text**, *Muneeb Th, Sunil Kumar Sahu, Ashish Anand*, <https://aclweb.org/anthology/W/W15/W15-3820.pdf>.

Unpublished Works

- 2016 Disease synonyms extraction through huge corpus.
- 2016 Identifying relation among problem treatment and test in clinical text.
- 2016 Relation extraction in biomedical text through convolutional neural network .
- 2016 Drug-Drug Interaction extraction pubmed verticals .
- 2015 Gene named entity recognition in biomedical text through character level word embedding and recurrent neural network.
- 2014 Named entity recognition in tweets through conditional random field.
- 2014 Object recognition in images through deep convolutional neural network.
- 2014 Parts of speech tagging in English language text through hidden markov model.
- 2013 Digit recognition system in speech signal by hidden markov model.
- 2013 Spam mail detection through support vector machine.
- 2013 Digit recognition in MNIST dataset through multi-layer neural network.
- 2013 Language identification system for small (ISCII coded) text corpus through logistic regression and support vector machine.

Conference/Workshop/Summer School Participations:

- 2016 **ACL-2016**, *Humboldt University, Berlin, Germany*, August 7-12, Thanks to Microsoft Research India and ACM-India/IARCS for entire traveling and other expenses support.
- 2015 **ACL-2015**, *China National Convention Center Beijing, China*, July 30 to Aug 1, Thanks to IIT Guwahati entire for traveling and other expenses support.
- 2015 **Summer School on Machine Learning**, *Microsoft Research and IISc Bangalore (Karnataka)*, 15 June to 26 June, Thanks to Microsoft Research India for entire traveling and other expense support.
- 2015 **Information and Communication Technology in Healthcare: Challenges and Promises**, *IIT Guwahati (Assam)*, 25 March.
- 2014 **National Workshop on GPU Programming and Application**, *IIT Guwahati (Assam)*, 12 Sep to 14 Sep.
- 2008 **Information Security : Practice and Challenges**, *ITGGU Bilaspur (CG)*, 9 Feb to 10 Feb.

Languages

- First **Hindi**.

Second **English.**

Personal

Full Name **Sunil Kumar Sahu.**
Date of Birth **26 Jan 1987.**
Other Interest **Athletics,Swimming.**

References

Dr. Ashish Anand, *Assistant Professor*, Dep. CSE, IIT Guwahati, email id: anand.ashish@iitg.ernet.in.

Prof. K Narayana Murthy, *Professor*, SCIS, University of Hyderabad, email id: knmuh@yahoo.com.
