

Sharmistha

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RESEARCH INTERESTS Machine Learning (ML) and Natural Language Processing (NLP)

EDUCATION *PhD*, Computer Science, 2015 - Present
Indian Institute of Science (IISc), Bangalore, India
Advisor: Partha Pratim Talukdar

MTech, Computer Science, 2011-2013
Indian Institute of Technology Madras (IITM), Chennai, India
Advisor: Balaraman Ravindran

BE, Computer Engineering, 2005-2009
Maharashtra Institute of Technology COE, Pune, India

WORK EXPERIENCE *Xerox Research Centre India (XRCI)*, Bangalore Oct 2013- July 2015
Research Engineer, Analytics Lab

Morgan Stanley, Mumbai, Jan 2010 - July 2011
Senior Associate, Technology Division

INTERNSHIP EXPERIENCE *Carnegie Mellon University (CMU)*, Pittsburgh Sept 2017- April 2018
Advisor: Tom Mitchell

PUBLICATIONS Sharmistha Jat, Siddhesh Khandelwal and Partha Talukdar, *Improving Distantly Supervised Relation Extraction using Word and Entity Based Attention*, Automated Knowledge Base Construction Workshop, NIPS 2017, Long Beach, USA, Dec 4, 2017

Tushar Nagarajan, Sharmistha and Partha Talukdar, *CANDiS: Coupled & Attention-Driven Neural Distant Supervision*, The First Women and Underrepresented Minorities in NLP Workshop, WiNLP, ACL 2017, Vancouver, Canada, July 30, 2017

Lavanya Sita Tekumalla, Sharmistha, *IIScNLP at SemEval-2016 Task 2: Interpretable STS with ILP based Multiple Chunk Aligner*, Proceedings of NAACL 2016 workshop on Semantic Textual Similarity (SemEval), San Diego, 707-712

Himanshu Sharad Bhatt, Sandipan Dandapat, Peddamuthu Balaji, Shourya Roy, Sharmistha and Deepali Semwal, *SODA:Service Oriented Domain Adaptation Architecture for Microblog Categorization*, Proceedings of NAACL 2016, San Diego,77-81

Anuj Mahajan, Sharmistha, Shourya Roy, *Feature Selection for Short Text Classification using Wavelet Packet Transform*, Proceedings of the 19th Conference on Computational Natural Language Learning, CoNLL 2015, Beijing, China, July 30-31, 2015,ISBN - [978-1-941643-77-8], 321-326

Sharmistha, Madhur Amilkanthwar, Shankar Balachandran, *Augmentation of Programs with CUDA Streams*, 10th IEEE International Symposium on Parallel and

Distributed Processing with Applications, ISPA 2012, Leganes, Madrid, Spain, July 10-13, 2012, ISBN - [978-1-4673-1631-6], 855-856

PATENTS

Narayanan U. Edakunni, Sharmistha Jat, *Diagnostic tool to measure sensitivity of service quality of a transit network on weather conditions*, 2014, United States Patent Application 20140198US01

Sharmistha Jat, Koyel Mukherjee, Narayanan U. Edakunni, Pallavi Manohar, *Demand Responsive Cab Re-routing*, 2014, United States Patent Application 20140776US01

Koyel Mukherjee, Ankit Kumar, Pallavi Manohar, Narayanan U. Edakunni, Sharmistha Jat, *Static and Dynamic Routing and Scheduling of Shared Transport*, 2014, United States Patent Application 20141356US01

Sharmistha Jat, Anuj Mahajan, Shourya Roy, *Method and System for Predicting Requirements of a User for Resources Over a Computer Network*, 2014, United States Patent Application 20140842US01

COURSES

Machine learning, Computational Methods of Optimisation, Stochastic Methods and Applications, Linear Algebra, Natural Language Understanding, Social Network Analysis, Knowledge Representation and Reasoning, Kernel Methods in Pattern Recognition

CO-CURRICULAR ACTIVITIES

Top 6% in KAGGLE. Member of MALL Lab team which stood 10th among 170 teams for ALLEN-AI Kaggle challenge, demo: <http://mallabiisc.github.io/demos/>

Won Best Poster Award at Grace Hopper Celebration India 2016, GHCI is the India's largest gathering of women technologists with almost 6000 attendees.

We conducted a hands-on workshop on "Predictive Modeling Using R and Python" accepted at Grace Hopper Conference (GHC), India, 8th December 2016, <http://ghcischedule.anitaborg.org/session/predictive-modeling-using-r-and-python/>

Reviewer for XRCI Open Innovation Conference 2015.

Won 2nd prize in Hacku, 2013 conducted by Yahoo, at IIT Madras for IntelliShop, <http://www.youtube.com/watch?v=ekGgYIQtzjk>

Won 3rd prize in Code-Obfuscation coding challenge at Shaastra 2011, a national level competition organised by Indian Institute of Technology Madras (IITM)

EXTRA-CURRICULAR ACTIVITIES

Bronze Medal for Table Tennis, Women Singles, Indian Institute of Science, 2016

Member of XRCI Club 2013-2014, organised multiple charity and fun events.

Technology Volunteer for Commonwealth youth games, Pune 2008

Organized Girl Student Empowerment workshop at Department of CDS, IISc, with CHETANA Girls organisation.