Namrata Nadagouda

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RESEARCH INTERESTS	**Machine learning, signal processing** Active learning, transfer learning, learning from similarity comparisons Point processes, switched processes, streaming optimization

EDUCATION

Ph.D. Electrical & Computer Engineering — August 2019 - Present
Georgia Institute of Technology, Atlanta, GA
Advisor: Prof. Mark Davenport

M.S. Electrical & Computer Engineering — (Expected) December 2020
Georgia Institute of Technology, Atlanta, GA

B.Tech. Electrical & Electronics Engineering — May 2017
National Institute of Technology Karnataka, Surathkal, India

PUBLICATIONS

N. Nadagouda, A. Xu and M. Davenport, "Active selection of nearest neighbor queries for learning embeddings", to be submitted to AISTATS, October 2020.

G. Canal, M. Connor, J. Jin, N. Nadagouda, M. O'Shaughnessy, C. Rozell, and M. Davenport, "The Picasso Algorithm for Bayesian Localization Via Paired Comparisons in a Union of Subspaces Model", in *Proc. IEEE Int. Conf. on Acoustics, Speech and Signal Processing (ICASSP)*, May, 2020.

IN PROGRESS

"Streaming Optimization of Hawkes Processes" (with Tomer Hamam).

POSTERS

N. Nadagouda, and M. Davenport, "Switched Hawkes Processes", at *Workshop on Recent Developments on Mathematical/Statistical approaches in Data Science (MSDAS)*, University of Texas at Dallas, Richardson, TX, June 2019.

ARTICLES

"Journey of a researcher: Finding pleasure in the pathless woods", *American Ceramic Society Bulletin*, Student Perspectives, June/July 2020.

AWARDS

Registration and Travel Awards	ICML Diversity and Inclusion Fellowship	July 2020
	MSDAS Workshop, UTD	June 2019
Hackathons	Winner, Technical Track, Hacklytics	
	Data Science at Georgia Tech	February 2019
Academic Awards and Scholarships	NITK Institute Gold Medal,	2017
	1986 Batch Gold Medal,	2017
	Prof. M. R. Shenoy Memorial Prize,	2017
	Prof. K. M. Hebbar Gold Medal,	2017
	NITK Surathkal Merit Scholarship,	2013 - 2017

WORKSHOPS	Foundation of Data Science Summer School *Georgia Institute of Technology*	August 2019
	Recent Developments on Mathematical/Statistical approaches in Data Science *University of Texas at Dallas, Richardson, TX*	June 2019
TEACHING EXPERIENCE	**Opportunity Research Scholars Mentor** Guide a team of undergrads to work on a research project	2020 - 2021
	Teaching Assistant Hands-on-Tech Georgia Tech Day Camp - Machine Learning	June 2019
	Graduate Teaching Assistant Georgia Tech CS 4641 - Machine Learning	Spring 2019
	Graduate Teaching Assistant Georgia Tech ECE 8843/ISYE 8843/CS 8803/BMED 8813 - Mathematical Foundations of Machine Learning	Fall 2018
WORK EXPERIENCE	**Intern** *Hedge Fund Start-up, Atlanta, GA* Data management and data pre-processing of stock trade data & performance evaluation of trading algorithms	Summer 2018
	Research Intern, Microarchitecture Research Lab *Intel India - Intel Labs, Bangalore, India* Study and design of specialized hardware for Linear Algebra operations	Fall 2016
	Research Intern **Department of Electrical Communication Engineering** *Indian Institute of Science, Bangalore, India* Target Self-Localization using Beacon Nodes	Summer 2016
SERVICE	**Teaching Volunteer**, Shiksha *ACM NITK Student Chapter*	2016
	Student Representative, NITK Student Council *National Institute of Technology Karnataka, Surathkal, India*	2013 - 2014