

Namrata Nadagouda

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RESEARCH INTERESTS

Learning from similarity comparisons, active learning, representation learning, preference learning

EDUCATION

Ph.D. Electrical & Computer Engineering

August 2019 - Present

Georgia Institute of Technology, Atlanta, GA

Advisor: Prof. Mark Davenport

M.S. Electrical & Computer Engineering

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 metric learning and classification using similarity queries”, submitted, January 2022.

A. McRae, A. Xu, J. Jin, N. Nadagouda, N. Ahad, P. Guan, S. Karnik, and M. Davenport, “Delta Distancing: A Lifting Approach to Localizing Items From User Comparisons”, to appear in *Proc. IEEE Int. Conf. on Acoustics, Speech and Signal Processing (ICASSP)*, May 2022.

N. Nadagouda and M. Davenport, “Switched Hawkes Processes”, in *Proc. IEEE Int. Conf. on Acoustics, Speech and Signal Processing (ICASSP)*, June 2021.

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.

POSTERS

Y. Teng, A. Mamuye, E. Mo, K. Zhu, R. Walker, N. Nadagouda, and M. Davenport, “Range-Only Simultaneous Localization and Mapping using Paired Comparisons”, at *IEEE Annual Conf. on RFID*, April 2021.

N. Nadagouda, and M. Davenport, “Switched Hawkes Processes”, at *Workshop on Recent Developments on Mathematical/Statistical approaches in Data Science (MS-DAS)*, 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
MSDAS Workshop, UTD

July 2020

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 <i>Georgia Institute of Technology</i>	August 2019
	Recent Developments on Mathematical/Statistical approaches in Data Science <i>University of Texas at Dallas, Richardson, TX</i>	June 2019
WORK EXPERIENCE	Intern <i>Hedge Fund Start-up, Atlanta, GA</i> Data management and data pre-processing of stock trade data & performance evaluation of trading algorithms	Summer 2018
	Research Intern, Microarchitecture Research Lab <i>Intel India - Intel Labs, Bangalore, India</i> Study and design of specialized hardware for Linear Algebra operations	Fall 2016
	Research Intern Department of Electrical Communication Engineering <i>Indian Institute of Science, Bangalore, India</i> Target Self-Localization using Beacon Nodes	Summer 2016
TEACHING EXPERIENCE	Mentor for undergraduate students Yue Teng Amran Mamuye Eunsan Mo Kerui Zhu Robert Walker	2020 - 2021 2020 - 2021 2020 - 2021 2020 - 2021 2020 - 2021
	Graduate Teaching Assistant Georgia Tech ECE 6270 - Convex Optimization	Spring 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
SERVICE	Reviewer , AISTats Conference	2021
	Reviewer , GT President's Undergraduate Research Award,	2021
	Teaching Volunteer , Shiksha, ACM NITK Student Chapter	2016
	Student Representative , NITK Student Council	2013 - 2014