

Namrata Nadagouda

Email: namrata.nadagouda@gatech.edu

Website: nnadagouda95.github.io

RESEARCH INTERESTS

Human-in-the-loop learning, learning from similarity comparisons, active learning, preference learning, representation 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”, under review.

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”, 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

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

AWARDS

Registration and Travel Awards

Deep Learning Theory Workshop and Summer School
Simons Institute, University of California, Berkeley

August 2022

Women and Math workshop, IAS, Princeton
ICML Diversity and Inclusion Fellowship
MSDAS Workshop, UTD

May 2022

July 2020

June 2019

Hackathons	Winner, Technical Track, Hacklytics Data Science at Georgia Tech	February 2019
Academic Awards and Scholarships	NITK Institute Gold Medal 1986 Batch Gold Medal Prof. M. R. Shenoy Memorial Prize Prof. K. M. Hebbar Gold Medal NITK Surathkal Merit Scholarship	2017 2017 2017 2017 2013 - 2017
WORKSHOPS ATTENDED	Deep Learning Theory Workshop and Summer School <i>Simons Institute, University of California, Berkeley</i>	August 2022
	The Mathematics of Machine Learning Women and Math Program <i>Institute for Advanced Study, Princeton, NJ</i>	May 2022
	Algorithmic Learning Theory Mentoring Workshop <i>Online</i>	March 2022
	Foundation of Data Science Summer School <i>Georgia Institute of Technology, Atlanta, GA</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 - present 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

Fall 2018

Georgia Tech ECE 8843/ISYE 8843/CS 8803/BMED 8813 -
Mathematical Foundations of Machine Learning

SERVICE**Member**, GT Mural Team

2022

Reviewer, AISTATS Conference

2021

Reviewer, GT President's Undergraduate Research Award

2021 - 2022

Teaching Volunteer, Shiksha, ACM NITK Student Chapter

2016

Student Representative, NITK Student Council

2013 - 2014