

Arun Sharma

CONTACT INFORMATION	200 Union St SE Minneapolis, MN 55455	Website: https://arunshar.github.io/portfolio/ Email: sharm485@umn.edu
RESEARCH INTEREST	Responsible AI, Machine Learning, Data Mining, Distributed Systems, Database Systems	
EDUCATION	University of Minnesota , Twin Cities <i>Ph.D. Candidate in Computer Science</i> <i>Advised by Prof. Shashi Shekhar</i>	September 2018 - Present
	University at Buffalo , New York <i>MS in Computer Science</i>	September 2016 - May 2018
	Gautam Buddha University , India <i>BTech and MTech in Computer Science and Engineering</i>	July 2011 - July 2016
APPOINTMENTS	University of Minnesota Twin Cities, MN <i>Graduate Research Assistant</i>	Jan 2020 - Present
	University of Minnesota Twin Cities, MN <i>Graduate Teaching Assistant</i>	September 2018 - December 2019
	NASA Ames Research Center Mountain View, CA <i>Graduate Project Assistant</i>	May 2017 - August 2017
PEER REVIEWED PUBLICATIONS	<p>[1] Analyzing Trajectory Gaps for Possible Rendezvous Regions <i>ACM Transactions in Intelligent Systems and Technology, 2022</i> Arun Sharma and Shashi Shekhar</p> <p>[2] Analyzing Trajectory Gaps for Possible Rendezvous: A Summary of Results <i>11th International Conference in Geographic Information Science, 2021 (Oral)</i> Arun Sharma, Xun Tang, Jayant Gupta, Majid Farhadloo and Shashi Shekhar</p> <p>[3] WebGlobe: A cloud-based framework for interacting with climate data <i>International Workshop on Analytics for Big Geospatial Data (SIGSPATIAL) 2018</i> Arun Sharma, SM Arshad Zaidi, Varun Chandola, Melissa R Dumas, Budhendra L Bhaduri</p>	
TEACHING EXPERIENCE	CSCI 5715 Spatial Data Science Graduate Student Instructor with Prof. Shashi Shekhar	Fall 2019
	CSCI 5708 Advanced Database Systems Graduate Student Instructor with Prof. Shashi Shekhar	Spring 2019
	CSCI 4041 Data Structures and Algorithms Graduate Teaching Assistant with Nathan Taylor	Fall 2018
INVITED TALKS	Identifying Aberration Patterns in Multi-attribute Trajectory Data with Gaps <i>GIS Day, 2020, University of Maryland, College Park</i>	
SERVICES AND LEADERSHIP	Monitoring COVID-19 for Minnesota Management and Budget <i>Reporting State-Level Mobility Traffic to Research Scientists and Policymakers</i>	2020-2021
	UofM Talented Youth in Mathematics Program Mentor <i>Advised high school students who are considering a career in research</i>	2020-2022
TECHNICAL EXPERIENCE	PyTorch, Tensorflow, Keras, OpenCV, Numpy, Pandas, Spark, Tableau, Android, ArcGIS	