Lovedeep Gondara

Contact Information	Data, Analytics, Reporting, and Evaluation Provincial Health Services Authority Vancouver, BC, V6H 1G9, Canada	Cell: (604) 832-7114 E-mail: lovedeep.gondara@bccancer.bc.ca	
Research Areas	Machine Learning, Large Language Models, Differential Privacy in Machine Learning, Deep Learn- ing, Decentralized Learning, Generative Models, Statistics.		
Work Experience	E Provincial Health Services Authority, Vanco	puver, BC Canada	
	Research Scientist	June, 2023 - Present	
	Lead the deep learning research for cancer registry operations.Special focus on the use and development of large language models for data capture.		
	British Columbia Cancer Agency, Vancouver, BC Canada		
	(Bio)Statistician/Data Scientist	June, 2013 - June, 2023	
	• Design and analysis of clinical trials and retrospective studies using various models from statis- tics and machine learning.		
	• Design and implementation of interactive dashboards to serve models for visualizing trends, performance monitoring, predictions, etc.		
	• Develop and implement state-of-the-art machine learning and statistical models.		
	• Provide technical expertise regarding data architecture and data standards for the development and maintenance of databases to facilitate reporting and research.		
	• Coordinate internal and external data requests for planning and research.		
	• Participate in recruitment, selection, and training of junior data scientists, interns, and summer students.		
	Team Lead, Statistics	Dec, 2018 - Mar, 2021	
	• Lead a team of statisticians and data scientists within cancer surveillance and outcomes, population oncology.		
	• Provide leadership to team members via technical expertise and the facilitation and demon- stration of the principles of team work and collaboration.		
	• Manage all incoming projects and ensure de nating with different team members.	liverables by assigning the projects to and coordi-	
Education	Simon Fraser University, Burnaby, BC, Canada		
	Ph.D., Computer Science, 2022		
	University of Illinois, Springfield, Illinois, USA		
	M.S., Computer Science, 2015		
	Colorado State University, Fort Collins, Colorado, USA		
	Graduate coursework, Statistics, 2014		

	University of the Fraser Valley, Abbotsford, BC, Canada	
	Post-Baccalaureate certificate (Applied Statistics/Data Analytics), 2013	
	Punjab Technical University, Punjab, India	
	B.Tech, Computer Science, 2011	
Honors and Awards	Travel award, Privacy Enhancing Technologies Symposium, 2023	
	Dean of Graduate Studies Convocation Medal, Simon Fraser University, 2023	
	Early Career Researcher award, IPVC, 2023	
	John Jambor Knowledge Fund award, British Columbia Cancer Agency, 2014, 2015, 2017, 2020, 2022	
	Travel award, International Society for Bayesian Analysis, 2022	
	Graduate Fellowship, Simon Fraser University, 2017, 2019	
	Travel award, NeurIPS 2019	
	Clark Wilson LLP Graduate Scholarship, 2019	
	NVIDIA GPU Grant, 2018	
	Travel award, Simon Fraser University, 2016, 2017, 2018	
	Alexander Graham Bell Canada Graduate Scholarship (CGS-D), 2018	
	Helmut & Hugo Eppich Family Grad School award, Simon Fraser University, 2017	
	Travel award, International Biometrics Conference, 2016	
Publications	Most recent and relevant five, first-author publications in ML. For a complete list, please see the Google scholar link.	
	1. Gondara, L. & Wang, K. (2023, January). PubSub-ML: A Model Streaming Alternative to Federated Learning. In Proceedings on Privacy Enhancing Technologies, 2023.	
	 Gondara, L., Wang, K., & Carvalho, R. S. (2022, March). Differentially Private Ensemble Classifiers for Data Streams. In Proceedings of the 15th ACM International Conference on Web Search and Data Mining, WSDM 2022. 	
	 Gondara, L., Carvalho, R. S., & Wang, K. (2021, October). Training Differentially Private Neural Networks with Lottery Tickets. In European Symposium on Research in Computer Security (pp. 543-562), ESORICS 2021. Springer, Cham. 	
	 Gondara, L., & Wang, K. (2020, August). Differentially Private Small Dataset Release Using Random Projections. In Conference on Uncertainty in Artificial Intelligence (pp. 639-648), UAI 2020. PMLR. 	
	 Gondara, L., & Wang, K. (2020, September). Differentially Private Survival Function Esti- mation. In Machine Learning for Healthcare Conference (pp. 271-291), MLHC 2020. PMLR. 	

ACADEMIC SERVICE Reviewer:

SDM 18' 21' 22', ICML 20' 21' 22', EMNLP 20' 21', EACL 21', NeurIPS 20' 21' 22', ACL 19' 20' 21', CHIL 20' 21' 22', ICLR 20' 21' 22' 23', KDD 21' 22'

- PROGRAMMING Python, R, SAS
- HOMEPAGE https://lovedeepgondara.com/
- GOOGLE SCHOLAR https://goo.gl/tFuznH
- GITHUB https://github.com/lgondara