Curriculum Vitae/Resume Ekdeep Singh Lubana Email: eslubana@umich.edu

EDUCATION	
Ph.D. Candidate, University of Michigan, Ann Arbor Major: Embedded Machine Learning GPA: 4.00/4.00	August, 2019–May, 2024 (expected)
B.Tech., Indian Institute of Technology, Roorkee Major: Electronics and Communication Engineering Thesis: Resource Efficient Techniques for Embedded Machine Vision (Nominate	July, 2015–May, 2019 d for Best Bachelor's Thesis)
Areas of Interest	
· Resource Efficient Machine Learning, Optimization, Lifelong Learning, Comple	ex Systems
Internships / Research Visits	
· Research Affiliate, Center for Brain Science, Harvard University Host: Venkatesh Murthy and Hidenori Tanaka	May, 2022–Present
· Research Intern, Bell Labs Cambridge, UK Mentor: Akhil Mathur	Sept., 2021–Dec., 2021
· Research Intern, Physics and Informatics Lab, NTT Research Inc. Mentor: Hidenori Tanaka	May, 2021–Aug., 2021
Publications	
1. Ekdeep Singh Lubana , Ian Tang, Fahim Kawsar, Robert P. Dick, and pervised Federated Learning via Globally Consistent Clustering. In <i>Proc</i> (<i>ICML</i>), 2022. (Accepted for Spotlight presentation.)	
2. Puja Trivedi, Ekdeep Singh Lubana , Yujun Yan, Yaoqing Yang, and Graph Contrastive Learning: Current Methodological Flaws & Towards Be Conference (WWW), 2022.	
3. Ekdeep Singh Lubana , Robert P. Dick, and Hidenori Tanaka. Beyon Understanding of Normalization in Deep Learning. In <i>Proc. Adv. in Neuro (NeurIPS)</i> , 2021.	
4. Ekdeep Singh Lubana and Robert P. Dick. A Gradient Flow Framewor In <i>Proc. Int. Conf. on Learning Representations (ICLR)</i> , 2021. (Accepted	
5. Ekdeep Singh Lubana , Puja Trivedi, Danai Koutra, and Robert P. Dick Prevent Catastrophic Forgetting: The Role of Interpolation. In <i>Proc. C (CoLLAs)</i> , 2022.	
 Ekdeep Singh Lubana, Robert P. Dick, Vinayak Aggarwal, and Pyari Mo Signal Processing for Deep Learning Accelerators. In Proc. Int. Conf. on Int. 	_
7. Ekdeep Singh Lubana , Vinayak Aggarwal, and Robert P. Dick. Machine Compressive Sensing Framework. In <i>Proc. Data compression Conference</i> (
8. Ekdeep Singh Lubana and Robert P. Dick. Digital Foveation: An Ener work. <i>IEEE Trans. Computer-Aided Design of Integrated Circuits and Sys</i>	
Patents (Filed)	
 Ekdeep Singh Lubana and Robert P. Dick. Digital Foveation for Mac App. 2021/0089803 A1 	hine Vision, 25 2021. US Patent
 Robert P. Dick, Benjamin Scott Simpson, Ekdeep Singh Lubana, and for Video Capture Data Reduction, December 2 2021. US Patent App. 202 	
Technical Awards	
· Awarded the BIRAC-GYTI award by the President of India.	2018
· Winner of the Ericsson Innovation Challenge held at the Nobel Museum,	
· Winner of the Jury's choice award at the Accenture Innovation Challen	_

 \cdot Gold medal and winner of Engineers' Conclave at Inter-IIT Tech meet.

2018

Academic achievements & Scholarships	
· Awarded the KVPY (Kishore Vaigyanik Protsahan Yojna) Fellowship by Govt. of India.	2015
· Awarded the NTSE (National Talent Search) Scholarship by N.C.E.R.T., New Delhi.	2014
· Ranked amongst Top 300 students in National Standard Examination in Astronomy.	2015
· Ranked amongst Top 300 Students in the Indian National Mathematics Olympiad.	2015