

Curriculum Vitae



Raghavendra Selvan

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RESEARCH AREAS	Resource Efficient Machine Learning (ML), ML for Sustainability, Biomedical Image Analysis, Graph Neural Networks, Quantum-inspired ML, Approximate Inference and Multi-object Tracking Theory	
CURRENT EMPLOYMENT	Assistant Professor Machine Learning Section (Dept. Computer Science) and Kiehn Lab (Dept. of Neuroscience) Data Science Lab, University of Copenhagen, DK	Sep 2020 – present
EDUCATION	PhD , Medical Image Analysis Department of Computer Science, University of Copenhagen, DK	Oct. 2015 – Nov. 2018
	Master of Science , Communication Engineering Chalmers University, Göteborg, SE	Sep. 2013 – June 2015
	Bachelor in Engineering , Electronics and Communication BMS Institute of Technology, Bangalore, IN	Sep. 2005 – Aug. 2009
FUNDING	Work Package Leader: EU Horizon 2020 project on Resource Efficient ML methods Work Package Leader: EU Horizon 2020 project on Low Resource Big Data Pipelines Co-applicant: UK Research & Innovation grant for Environmental sustainability in Life Sciences Main Applicant: AI-Denmark Project Co-applicant: UCPH Data+ Synergy Grant Scholarship: Swedish Institute Scholarship for Masters education, Sweden	(2022) 4.3M DKK (2022) 2.4M DKK (2022) 890k DKK (2022) 100k DKK (2021) 3.4M DKK (2013) 250k DKK
SCIENTIFIC MERITS	Daily Advisor: 2 PhD Students, 3 Research Assistants, 8 MSc & 10 BSc Theses, 4 International Interns Co-Advisor: 2 PhD Students, 2 MSc & 1 BSc Theses Collaborating Advisor: 7 PhD students (including international candidates) Five peer-reviewed publications based on <i>MSc and BSc projects</i> in the last 12 months Student Satellite team member of India's first pico-satellite; launched to orbit on 12 Jul 2010 Carbontracker ¹ : Conceptualised & helped develop the first tool to predict the carbon footprint of training deep learning models. It has been downloaded > 50k times with > 200 github stars	(2019–) (2017–) (2019–)
PROFESSIONAL ACTIVITIES	Affiliate Member of Pioneer Centre for AI, Denmark First Chair of Sustainability and Environmental Action Research Pipelines Workgroup , OHBM Datascience Consultant for FaunaPhotonics Organizing Member of Summer School on Geometric Deep Learning Reviewer at several high impact journals and conferences (IEEE-PAMI, MICCAI, NeurIPS, ICLR...) Active Member of Free Software and Open Science groups	(2022–) (2021–) (2021) (2021) (2015 –) (2008 –)
AWARDS	Recognized at UCPH for <i>Sustained scientific excellence, departmental citizenship & societal impact</i> Best Paper runner-up at International Conference on Medical Imaging with Deep Learning Winner of Swedish Scholarship challenge out of more than 5000 participants Limca Book of Records Award: Team Member of India's smallest satellite project - StudSat Student Member of the Year Award by Indian Society for Technical Education	2021, 2022 2020 2013 2011 2009
PREVIOUS EMPLOYMENT	Post-doc @ Machine Learning Section, University of Copenhagen, DK Research Assistant @ Machine Learning Section, University of Copenhagen, DK Teaching Assistant @ Chalmers University, Göteborg, SE Lecturer @ BMS Institute of Technology, Bangalore, IN Columnist @ The Hindu ² (2nd largest Indian daily newspaper) and Frontline magazine ³ Network Solutions Architect @ MRO-TEK, Bangalore	Jan 2019 – Aug 2020 Oct 2018 – Dec 2018 July 2015 – Aug 2015 Aug 2011 – Jul 2013 Nov 2011 – Aug 2015 Nov 2009 – Jul 2011

¹<https://github.com/lfwa/carbontracker/>

²<https://www.thehindu.com/profile/author/RaghavendraS/>

³<https://frontline.thehindu.com/profile/author/Raghavendra-Selvan/>