

Sayantan Auddy

Machine Learning and Robotics Researcher <u>https://sayantanauddy.github.io/</u>

sayantan.auddy@gmail.com

Google Scholar GitHub LinkedIn

RESEARCH INTERESTS

Continual learning Robotics Deep reinforcement learning Deep learning

WORK EXPERIENCE

West Bengal University of Technology, India

RESEARCH AND TEACHING

Scientific Staff and Teaching Assistant Department of Computer Science, University of Innsbruck, Austria - Research on continual learning in robotics and reinforcement learning	Oct, 2018 - Jan, 2024
- Reviewer for machine learning/robotics journals (RA-L, TPAMI, RAS, TCDS) and conferences (CoRL, ICRA, IROS, AAAI, ROMAN, ICDL)	
- Associate Editor, International Conference on Ubiquitous Robots	
- Teaching machine learning lectures and seminars; B.Sc. and M.Sc. theses supervision; development of teaching content	
Student (Research) Assistant	
Computer Vision group, University of Hamburg, Germany Max-Planck-Institute for Meteorology, Hamburg, Germany Machine Learning group, University of Hamburg, Germany	May, 2017 - Mar, 2018 Sep, 2015 - Mar, 2018 Mar, 2015 - Aug, 2015
INDUSTRY EXPERIENCE	
Consultant Capgemini India Pvt. Ltd., India - Data warehouse application development	Feb, 2014 - Aug, 2014
Associate Cognizant Technology Solutions India Pvt. Ltd., India - Data warehouse application development	Jan, 2013 - Feb, 2014
Senior Systems Engineer Infosys Limited, India - Data warehouse application development and optimization	Dec, 2009 - Dec, 2012
EDUCATION	
PhD student Computer Science University of Innsbruck, Austria Dissertation topic: Continual learning for robotics	Oct, 2018 - Present
Master of Science Intelligent Adaptive Systems <i>University</i> of <i>Hamburg, Germany</i> Passed with distinction [thesis]	Oct, 2014 - Jan, 2018
Bachelor of Technology Computer Science & Engineering	Aug, 2005 - Aug, 2009

OLLEOTED / WITH DO		
	e Promotion of Young Talent Innsbruck, Vice-Rectorate for Research	Jun, 2024
Deutschlandstipendium (Ge Awarded by the German Fede	ermany Scholarship) eral Ministry of Education & Research	Jan, 2016
Infosys MFG Star Award Business unit-level recognition	n conferred by Infosys Limited	Jun, 2012
SKILLS		
Programming Machine Learning/Robotics Infrastructure Databases	Python, Shell Scripting, Java, C++ PyTorch, Tensorflow, Scikit, ROS, Gazebo, Copp GPU cluster and Slurm, Docker, Apptainer/Singu Teradata, Oracle, SQL Scripting	
LANGUAGES		
English (fluent), German (A2)	, Bengali (native), Hindi (fluent)	
SELECTED PUBLICATION	IS	
Robotics and Autonomous Conference on Lifelong Lea Continual Domain Randomi J. Josifovski*, <u>S. Auddy*</u> , M. M International Conference of * Equal contribution	arning Agents (CoLLAs) - Journal Track zation [paper] [code] Malmir, J. Piater, A. Knoll, N. Navarro-Guerrero n Intelligent Robots and Systems (IROS)	2024
Generators and Neural Netw <u>S. Auddy</u> , S. Magg, S. Wermt		2019
Impact on Exploration and I	Saveriano, E. Renaudo, J. Piater	2022
SELECTED PREPRINTS (I	under review)	
Hypernetwork-generated St	inual Learning from Demonstration via able Dynamics Model [paper] [code] Saveriano, A. Rodríguez-Sánchez, J. Piater	2024
Direct Imitation Learning-ba Projection Formulation [pape <u>S. Auddy</u> *, A. Paolillo*, J. Piat * Equal contribution		2024

Please visit my <u>Google Scholar profile</u> for the full publication list.

SELECTED PRESENTATIONS

Talk	Continual AI Unconference (online)	Oct, 2023
Poster	Conference on Lifelong Learning Agents (Montreal, Canada)	Aug, 2023
Talk	Lifelong Learning workshop at RO-MAN (online)	Sep, 2020
Talk	International Conference on Development & Learning (Oslo, Norway)	Aug, 2019

CERTIFICATIONS

Deep Learning Specialization Coursera	Aug, 2018
Introduction to Robotics QUT, Australia	May, 2015
Teradata 12 Certified Professional Teradata	Sep, 2013
Sun Certified Programmer for the Java 2 Platform Sun Microsystems	Jun, 2009