

Sourav Mishra

CONTACT	Senior Data Scientist, Product Development AnyMind Group 31F Mori Tower, 6-10-1 Roppongi, Minato-ku, Tokyo JP 106-6131 WWW: http://souravmishra.net	@ sourav@yahoo.com ☎ +81 (80) 7666-0017
WORK EXPERIENCE	Anymind Group , Japan. Senior Data Scientist, Product Development.	Apr. 2021 - Present
	Anymind Group , Japan. Freelance ML Scientist, Product Development.	Feb. 2021 – Apr. 2021
	Amity University , India. Instructor, Electronics & Communication Engineering.	Sep. 2015 – Jul. 2016
EDUCATION	University of Tokyo , Japan. Ph.D., Department of Information & Communication Engineering <i>Advisor</i> : Toshihiko Yamasaki Thesis: Rapid & robust learning for homogeneous image data	Sep. 2017 – Mar. 2021
	Virginia Tech , Blacksburg VA, US M.S., Department of Biomedical Engineering & Applied Mathematics GPA: 3.81/4.00 <i>Advisor</i> : Robert A. Kraft Thesis: Investigation and Analysis of HFpEF with Magnetic Resonance	Aug. 2013 - May 2015
	Virginia Tech , Blacksburg VA, US M.S., Department of Electrical & Computer Engineering GPA: 3.82/4.00 <i>Advisor</i> : Ge Wang Thesis: Collimator Width Optimization in X-Ray Luminescent CT	Aug. 2010 - May. 2013
	Manipal University , Manipal India B.S., Department of Electronics/Biomedical Engineering GPA: 8.70/10	Jul. 2005 - Aug. 2009
JOURNAL	S. Chaudhary, H. Roy, S. Mishra , T. Yamasaki, Adversarial Training Time Attack Against Discriminative and Generative Convolutional Models , IEEE Access, Vol.9, pp.109241-109259, 2021	
	S. Mishra , S. Chaudhary, H. Imaizumi, T. Yamasaki, Robustness of Deep Learning Models in Dermatological Evaluation: A Critical Appraisal , IEICE Trans. Information & Systems, Vol. E104-D(3), 2021	
	S. Mishra , R. Kappiyoor, Collimator Width Optimization in X-Ray Luminescent Computed Tomography (XLCT) with Selective Excitation Scheme , J. Medical Imaging & Health Informatics, Vol. 4 (5), 2014, pp. 681-686.	
	S. Mishra , K.S. Sharma, S.J. Lee, E.J. Fox, G. Wang, SLATE: Virtualizing Multiscale CT , J. X-ray Science & Technology, Vol. 20 (2), 2012, pp. 239-248.	
	S. Mishra , K.S. Sharma, S.J. Lee, E.J. Fox, G. Wang, Kinematics-coordinated walking pattern based on embedded controls , J. Medical Engineering & Technology, Vol. 34 (5-6), 2010, pp. 329-334.	

CONFERENCE
& WORKSHOPS

S Mishra, S. Chaudhary, H. Imaizumi, T. Yamasaki, [Assessing Robustness of Deep learning methods in dermatological evaluation](#), ACM Conference on Health Inference and Learning (CHIL) Workshop, 2020 [Oral Spotlight].

S Mishra, H. Imaizumi, T. Yamasaki, [Interpreting Fine-Grained Dermatological Classification by Deep Learning](#) Conference on Computer Vision and Pattern Recognition (CVPR), ISICW 2019 [Selected Oral].

S Mishra, H. Imaizumi, T. Yamasaki, [Improving image classifiers for small datasets by learning rate adaptations](#), Machine Vision Applications 2019 [Selected Oral, Honorable mention for best paper].

A Bhan, G Vyas, S Mishra, **S Mishra**, P Pandey [Detection and Grading Severity of Caries in Dental X-ray Images](#), pp. 375-378, International Conference on Micro-Electronics and Telecommunication Engineering, 2016

S Mishra, RS Rekhi, A Sharma, G Vyas [Segmentation of Musculoskeletal Tissues with Minimal Human Intervention](#), pp. 45-53, ICT for Sustainable Development (ICT4SD), 2016

P Rai, V Golchha, A Srivastava, G Vyas, **S Mishra** [Automatic classification of bird species using audio feature extraction and SVMs](#), pp. 1-5, International Conference on Inventive Computation Technologies (ICICT), 2016.

AWARDS AND
ACHIEVEMENTS

Microsoft Research Visiting Fellow, 2018
ITE Japan, Best student paper award (2019)
MEXT Scholarship, Government of Japan (2017-2020)
Bradley Fellowship, Virginia Tech (2011-2012)
Awardee, Indian National Physics Olympiad, (2004)

COMPUTER
SKILLS

Programming: C, C++ (10+ years), Python (8 years)
Machine Learning: PyTorch & Keras (4 years)
Analytical: MATLAB (10+ years)

REFEREES

- Dr. Toshihiko Yamasaki
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- Dr. Kiyoharu Aizawa
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