

Ruchit Rawal

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EDUCATION	Netaji Subhas Institute of Technology, University of Delhi B.E. in Electronics and Communication Engineering CGPA: 7.82/10	Aug'17-May'21 (Expected)
PUBLICATIONS	<ol style="list-style-type: none">Rendezvous between Robustness and Dataset Bias: An empirical study Prabhu Pradhan*, Ruchit Rawal*, Gopi Kishan <i>NeurIPS pre-registration Workshop, 2020.</i> PaperGeneralizing across the (in)visible spectrum (Oral) Ruchit Rawal*, Prabhu Pradhan* <i>ICML Workshop on Extreme Classification, 2020.</i> PaperClimate Adaptation: Reliably Predicting from Imbalanced Satellite Data (Oral) Ruchit Rawal*, Prabhu Pradhan* <i>CVPR Workshop on Agriculture-Vision, 2020.</i> Paper	
EXPERIENCE	<ol style="list-style-type: none">Research Intern, Goethe University Adviser: Prof. Gemma Roig • Investigating functions of different brain regions using Deep Neural Networks as computational models. • Particularly, aiming to disentangle the effects of various components in the deep learning stack (Dataset, Architecture, Task) on the ability to effectively explain brain responses. Mar'20 - Present RemoteResearch Project Intern, Indian Institute of Science (IISc) Mentor: Prabhu Pradhan • Estimating drought-resilience through satellite (multi-spectral) images, to enhance public policy and planning. • Explored modular strategies for curbing extreme class-imbalance in a combination setting. Sep'19-May'20 RemoteData Science Intern, AlgoAnalytics Supervisor: Adwait Bhawe • Built an end-to-end pipeline for automated risk detection and mitigation in supply chains. • Deployed a dashboard built on Elasticsearch and Kibana for real-time data analysis. May'19-Jul'19 Pune, India	
SKILLS	Languages: Python, C++, C, Javascript, MATLAB Framework and Tools: PyTorch, Tensorflow, Keras, Open-CV, L ^A T _E X	
AWARDS	<ul style="list-style-type: none">One among the Top-20 participants at Summer School on Computer Vision at IIIT-Hyderabad from a pool of over 250 PhDs, graduates and undergraduates.Semi-Finalist at the Flipkart GRiD 2.0 Hackathon, which saw over 10,000 submissions from pan-India.	
RELEVANT COURSEWORK	Computer Programming, Data Structures, Image Processing, Computer Networks, Operating Systems, Big Data, Information Theory, Probability Theory, Multivariate Calculus, Linear Algebra, Switching Theory & Automata	