BISWAJIT PARIA

GHC 8003, Carnegie Mellon University, 5000 Forbes Ave, Pittsburgh PA, 15213, USA.
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Research Interests

Bayesian Optimization, Sequential Decision Making, Deep Learning

Education

Carnegie Mellon University, Pittsburgh, PA — Sep 2017 - Present
M.S., Ph.D. in Machine Learning. *Advisors:* Barnabás Póczos, Jeff Schneider

Indian Institute of Technology Kharagpur, India — Jul 2012 - Apr 2017
5-year Bachelors and Masters in Computer Science and Engineering

Relevant Papers

B. Paria, C.K. Yeh, I.E.H. Yen, N. Xu, P. Ravikumar, B. Póczos. *Minimizing FLOPs to Learn Efficient Sparse Representations.* International Conference on Learning Representations, 2020. (to appear, paper)

B. Paria, K. Kandasamy, B. Póczos. *A Flexible Framework for Multi-Objective Bayesian Optimization using Random Scalarizations.* Uncertainty in Artificial Intelligence, 2019. (oral presentation, arxiv, paper)

K. Kandasamy, K. R. Vysyaraju, W. Neiswanger, B. Paria, C. R. Collins, J. Schneider, B. Póczos, E. P. Xing. *Tuning Hyperparameters without Grad Students: Scalable and Robust Bayesian Optimisation with Dragonfly.* 2019, under review at JMLR. (arxiv)

B. Paria, K.M. Annervaz, A. Dukkipati, A. Chatterjee, S. Podder. *A Neural Architecture Mimicking Humans End-to-End for Natural Language Inference.* arXiv, 2016. (arxiv)

A. Lahiri, B. Paria, P.K. Biswas. *Forward Stagewise Additive Model for Collaborative Multiview Boosting.* IEEE Transactions in Neural Networks and Learning Systems, 2016. (arxiv, paper)

A. Guha, M.S. Pydi, B. Paria, A. Dukkipati. *Analytic Connectivity in General Hypergraphs.* arXiv, 2017. (arxiv)

Honours & Awards

Prime Minister of India Gold Medal — *IIT Kharagpur, 2017*
Awarded to the top ranked graduating student

Viterbi-India Scholar — *2015*
Funded summer internship at Viterbi School of Engineering, USC

ACM ICPC World Finalist (Team *BitBees*) — *2015*
One of 7 teams from India at the International Collegiate Programming Competition

Indian National Physics Olympiad (INPhO) Awardee — *2012*
for being among the top 30 candidates in India
Attended the team selection camp for the International Physics Olympiad (IPhO)

Indian National Mathematical Olympiad (INMO) Awardee — *2010 - 2012*
for being among the top 30 candidates in India
Attended the team selection camp for the International Mathematics Olympiad (IMO)

Kishore Vaigyanik Protsahan Yojana (KVPY) Scholar — *DST [1], Govt. of India, 2011*
for exceptional aptitude in basic sciences, 7th rank in India

Australian Mathematics Competition (AMC) Gold Medallist — *AMT [2], 2009*
One of 23 medallists in the world

[1] Department of Science and Technology
[2] Australian Mathematics Trust

Programming Skills	Python, Matlab, C, C++, bash Libraries: Tensorflow, PyTorch, numpy, sklearn	
Relevant Courses	Advanced Introduction to Machine Learning	CMU, Fall 2017
	Intermediate Statistics	CMU, Fall 2017
	Statistical Machine Learning	CMU, Spring 2017
	Probabilistic Graphical Models	CMU, Spring 2017
	Advanced Statistics	CMU, Fall 2018
	Martingales	CMU, Fall 2018
Service & Other	**Teaching Assistantships:**	
	Advanced Machine Learning	CMU, Spring 2019
	Convex Optimization	CMU, Fall 2018
	Deep Learning	IIT Kharagpur, Spring 2017
	Machine Learning	IIT Kharagpur, Fall 2016

Math Olympiad Teaching 2012 & 2013
Taught number theory and combinatorics to high school students

National Service Scheme (NSS) 2012 & 2013
Served under the NSS to work for the betterment of underpriviledged children at a village primary school.