Saurabh Paul

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| | Website: https://www.linkedin.com/pub/saurabh-paul/18 | b/966/50b | |
| Research Interests | Machine Learning, Data Mining, Numerical linear Algebra | | |
| Education | Rensselaer Polytechnic Institute, NY, USA | | |
| | Ph.D. in Computer Science | Aug 2010 – May 2015 (expected) | |
| | GPA : 3.90/4.0 Adviser: Professor Petros Drineas Thesis: Matrix Sampling Algorithms for Topics in Machir | ne Learning. | |
| | M.S. in Computer Science Thesis : Random Projections for Support Vector Machine Adviser: Professor Petros Drineas | Aug 2010 – Dec 2012 es. | |
| | Bengal Engineering and Science University, India | | |
| | B.E. (Hons) in Computer Science and Technology | July 2006 – April 2010 | |
| Experience | Ebay Inc. San Jose CA | | |
| Experience | Intern Technical PhD | May 2014 – Aug 2014 | |
| | Ebay Inc/ PayPal Austin TX | | |
| | Intern Graduate Student | May 2013 – Aug 2013 | |
| | Rensselaer Polytechnic Institute | | |
| | Research Assistant | Jan 2011 – May 2015 | |
| | Rensselaer Polytechnic Institute | | |
| | Teaching Assistant | Aug 2010 – Dec 2010 | |
| | Indian Statistical Institute, Kolkata, India. | | |
| | Student Intern at Applied Statistics Group. | June 2009 – July 2009 | |
| | Queen's University, Belfast, U.K. | | |
| | Student Intern at ECIT Institute. | June 2008 | |
| Publications | Journal | | |
| | • Saurabh Paul, Christos Boutsidis, Malik Magdon-Ismail and Petros Drineas. | | |
| | Random Projections for Linear Support Vector Machines. | | |
| | • Saurabh Paul and Petros Drineas. | | |
| | Feature Selection for Ridge Regression with Provable Guarantees. (under review) | | |
| | • Saurabh Paul, Christos Boutsidis and Petros Drineas. | | |
| | Core-Sets for Canonical Correlation Analysis. (in prepara | ation) | |
| | Conference/Workshop | | |
| | • Saurabh Paul, Malik Magdon-Ismail and Petros Drineas. | | |
| | Feature Selection for Linear SVM with Provable Guarantees. | | |
| | • Saurabh Paul and Petros Drineas. | | |
| | Deterministic Feature Selection for Regularized Least Squares Classification. | | |
| | In Proceedings of ECML-PKDD , Part II, LNCS 8725, pp. 533-548, 2014. | | |
| | • Saurabh Paul, Malik Magdon-Ismail and Petros Drineas. | | |
| | Deterministic reature Selection for Linear Support vector Machines. New England Machine Learning Day (NEML) 2014 | | |
| | • Saurabh Paul, Christos Boutsidis, Malik Magdon-Ismail and Petros Drineas. | | |
| | Random Projections for Support Vector Machines. | | |
| | In Proceedings of 16th AISTATS , JMLR: W&CP 31, pp | b. 498-506, 2013. | |
| Talks | • Data Analytics via Matrix Sampling Algorithms. Bell Labs, Nov 2014. | | |

| | • Deterministic Feature Selection for Regularized Least Squares Classification. ECML-PKDD, Sept 2014. | |
|---------------------------------------|--|--|
| | Dimensionality Reduction Methods for Linear SVM. eBay Research Labs, July 2014. Application of Boosted Regression methods in Credit Modeling. eBay Inc., July 2014. Random Projections for Linear SVM. Internet-of-Things GE-RPI Day, April, 2014. Feature Selection & Model Selection Methods for Risk Detection. eBay Inc., August 2013. Ensemble Model Selection Methods for Risk Detection. eBay Inc., July 2013. | |
| Graduate Coursework (completed) | Machine Learning, Database Mining, Randomized Algorithms, Computational Optimization, Com- putational Linear Algebra, Parallel Computing, Linear Algebra, Computer Operating Systems, Pro- gramming Languages, Computer Algorithms, Computability and Complexity. | |
| Computer Skills | Programming : C, C++, Java, Python, MATLAB, R, MPI, HTML. Database Management Systems: SQL. Tools: LIBSVM, LIBLINEAR, CLapack, Eclipse, CytoScape. Operating Systems: Linux/Unix, Windows. Typography: Latex, Microsoft Office. | |
| Academic Honors | NSF Travel Scholarship to attend ECML-PKDD 2014, AISTATS 2013. NSF Travel Scholarship to attend RandNLA Workshop at FOCS 2012. RPI Service Award 2011, 2012. Full Scholarship for Electronics Engineer's Welcome Scheme, Queen's University, Belfast, 2008. Placed within 0.57% among 60,000 candidates in WBJEE (Engineering Entrance Exam) 2006. 25th Rank among over 400,000 students in Madhyamik Pariksha (Secondary School Exam), 2004. | |
| Professional Activities | Reviewing: Journal of Selected Topics in Signal Processing (JSTSP), Neurocomputing. Subreviewer for ICPRAM 2013, ICDM 2014. Introducing Prospective Graduate Students to different research groups at CS Dept, RPI. Peer advisor to incoming graduate students, 2011-2012. Member of Graduate Admissions Committee, RPI, USA, 2011-2012. | |

• Student Member: SIAM, ACM.