

Shrey BAGROY

PERSONAL DATA

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EDUCATION

MAY 2018 Undergraduate Degree in COMPUTER SCIENCE, **Indraprastha Institute of Information Technology**, Delhi
CGPA: 9.45/10 (till date)

JUNE 2014 Senior Secondary Education at **Birla Vidya Niketan**, Delhi
SCORE: 96.2%

JUNE 2012 Higher Secondary Education at **Birla Vidya Niketan**, Delhi
GPA: 10/10

WORK EXPERIENCE

NOVEMBER 2014-NOW	<i>Current</i>	Undergraduate Researcher at PRECOC RESEARCH GROUP Studying, analyzing, and building different aspects of social systems, including their security/privacy. The work primarily derives from Data Science, Social Computing and Machine Learning. Guide: Dr. Ponnurangam Kumaraguru (PhD, Carnegie Mellon University)
MAY-AUGUST 2017	<i>Current</i>	Research Intern at MAX PLANCK INSTITUTE FOR SOFTWARE SYSTEMS Spent the summer at Max Planck Institute for Software Systems (Saarbrücken, Germany) working in the domain of social computing. Guide: Dr. Krishna P. Gummadi , Faculty, MPI-SWS
MAY-JULY 2016		Research Intern at GEORGIA TECH Spent the summer at GeorgiaTech (Atlanta, GA, USA) working in the field of computational social science; we used online social media to derive insights into improving mental health and well-being. Guide: Dr. Munmun De Choudhury , Assistant Professor, Georgia Tech
MAY-AUGUST 2015		Student Developer at GOOGLE SUMMER OF CODE Developed a moderation queue for the 1.5 million+ users of OpenStreetMap . Guide: Serge Wroclawski
JUNE-AUGUST 2015		Website Developer at NAVABHIYAN Developed a website for NavAbhiyan - a non-governmental organization (NGO) working towards providing social upliftment of the underprivileged.
JUNE-OCTOBER 2015		Administrator at BYLD Byld is a programming society within IIT-Delhi, which regularly holds sessions to help people advance their computer science skills. Headed the society for 4 months, during which we also organized HACKIIITD .

PUBLICATIONS

Bagroy, S., Kumaraguru, P., and De Choudhury, M. “A Social Media Based Index of Mental Well-Being in College Campuses.” Proceedings of the 34th Annual ACM Conference on Human Factors in Computing Systems (CHI), 2017.(pdf)

Dewan, P., **Bagroy, S.,** and Kumaraguru, P. “Hiding in Plain Sight: Characterizing and Detecting Malicious Facebook Pages.” IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM) (Short Paper), 2016.(pdf)

Dewan, P., **Bagroy, S.,** and Kumaraguru, P. “Hiding in Plain Sight: The Anatomy of Malicious Pages on Facebook.” Lecture Notes in Social Networks, Springer (Book Chapter) 2017. (To appear) (pdf)

PROJECTS

JUNE 2016-NOW (Research)	Data Transparency Working on understanding human perception of uniqueness of identifying information, and the resulting consequences. Collaborating with researchers at MPI-SWS and North-eastern University on this project.
MAY 2016-FEBRUARY 2017 (Research)	Campus Mental Health Working on understanding the role of social media in meeting mental health needs of college students by analyzing data from college subreddits.
OCTOBER 2015-APRIL 2016 (Research)	Detecting Malicious Facebook Pages Worked on characterizing/classifying malicious pages on Facebook, from data collected over a 6 month period. Accepted as a (short) paper at ASONAM 2016 .
OCTOBER 2014-DECEMBER 2015 (Engineering)	Tool for Social Media Analysis Developed a large-scale data analysis system which performs real-time computations on data from various social networks and provides a gamut of analytics/visualizations. This project is funded by the Government of India and is being used actively by over 50 national and state agencies across the country.
MAY-AUGUST 2015 (Engineering)	Moderation Queue for OpenStreetMap Built a highly efficient reporting system (a moderation queue) for the large number (more than 1.5 million) of OpenStreetMap users. Also developed a dashboard for the administrators to monitor and manage the incoming reports.
JANUARY-APRIL 2016 (Engineering)	Facebook Likes Predictor Developed a web application to predict likes on a new Facebook post, based on the likes on the previous posts of a user.
OCTOBER-DECEMBER 2016 (Engineering)	Where's Waldo Developed a TensorFlow-based model for finding Waldo in an input Where's Waldo picture. Used both classical machine learning and deep learning (Convolutional Neural Nets) techniques.

SKILLS

Programming Languages: C, C++, JAVA, PYTHON, RUBY, HTML, CSS, JAVASCRIPT/JQUERY, R, ARMS ASSEMBLY, SQL

Tools & Technologies: RUBY ON RAILS, MYSQL, MONGODB, GEPHI, DJANGO, FLASK, LATEX, REST/GRAPH APIS, OCTAVE, SELENIUM, MATLAB, SCI-KIT LEARN, SPSS, WEKA, LIWC, LINUX, TENSORFLOW, KERAS

Area(s) of expertise: MACHINE LEARNING, DATA MINING, BIG DATA ANALYTICS, SOCIAL COMPUTING, COMPUTATIONAL SOCIAL SCIENCE, WEB DATA PRIVACY

SCHOLARSHIPS AND AWARDS

SEPTEMBER 2016 Part of the Dean's list for excellent academic performance

MARCH 2016 Funded by Google to attend [FOSSASIA 2016](#) in Singapore

NOVEMBER 2014 Received award from the Director of IIIT-D for developing a [website](#) for the institute

AUGUST 2014 Merit Scholarship/partial tuition waiver at IIIT-D

JUNE 2014 Achieved an All India Rank of 2114 (out of over 1.2 million participants) in JEE Mains Examination

MAY 2014 School Subject Topper

DECEMBER 2012 Secured 4th position in CBSE Badminton Nationals

SEPTEMBER 2012 Secured 1st position in CBSE North Zone Badminton tournament

AUGUST 2007-2012 Secured 1st position in Badminton zonals