

Shrey BAGROY

PERSONAL DATA

PLACE AND DATE OF BIRTH: India | 26 January 1996
PHONE: +91 9871228952
EMAIL: shrey14099@iiitd.ac.in

EDUCATION

MAY 2018 Undergraduate Degree in COMPUTER SCIENCE, **Indraprastha Institute of Information Technology**, Delhi
CGPA: 9.36/10 (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

<i>Current</i> NOVEMBER 2014-NOW	Research Intern 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-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 education and promoting women empowerment.
JANUARY-MARCH 2015	Software Developer at RACKETLOGGER Added a number of key features to the website - email support, in-app messaging, real-time chat, user-friendly system to allow users to select communication preferences.

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.[\(pdf\)](#)

PROJECTS

MAY 2016-NOW <i>(Research)</i>	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.
JUNE 2016-NOW <i>(Research)</i>	Data Transparency Working on understanding the implications of making criminal records publicly available online. Collaborating with researchers at MPI-SWS (Dr. Krishna P. Gummadi) and Northeastern University (Dr. Alan Mislove) on this project.
OCTOBER 2015-APRIL 2016 <i>(Research)</i>	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 <i>(Engineering)</i>	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 <i>(Engineering)</i>	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.
OCTOBER-DECEMBER 2016 <i>(Engineering)</i>	Where's Waldo Developed a Keras-based model for finding Waldo in an input Where's Waldo picture. Used both classical machine learning and deep learning (Convolutional Neural Nets) techniques.
SEPTEMBER-OCTOBER 2016 <i>(Engineering)</i>	Deep learning for Collaborative Filtering Extended an existing classification-based approach to Collaborative Filtering using deep neural networks. Our model produced significantly better results as compared to the state of the art.

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
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 4 th position in CBSE Badminton Nationals
SEPTEMBER 2012	Secured 1 st position in CBSE North Zone Badminton tournament
AUGUST 2007-2012	Secured 1 st position in Badminton zonals