

Shubhanshu Mishra

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EDUCATION

University of Illinois at Urbana-Champaign, Urbana-Champaign, Illinois, USA

Doctor of Philosophy (Ph.D.) in Library and Information Science Aug 2013 –
Advisors: Jana Diesner & Vetle Torvik
Research areas: Data Mining, Social Network Analysis, Machine Learning
Cumulative GPA: 3.84 / 4.0

Indian Institute of Technology, Kharagpur, India

Bachelor of Science (B.S.) in Mathematics and Computing Jul 2007 – Jul 2010

Master of Science (M.S.) in Mathematics and Computing Jul 2010 – May 2012

Graduated with College Honors.

Cumulative GPA: 7.29 / 10.0

RESEARCH EXPERIENCE

iSchool, University of Illinois at Urbana-Champaign

Research Assistant

Incremental Sentiment Analysis for Social Media Data May 2014 –

Supervisors: Jana Diesner

Research areas: Sentiment analysis, Machine Learning, Visualization, Tool Development

Novelty Metrics and profiling in PUBMED dataset Jan 2014 –

Supervisors: Vetle Torvik

Research areas: Data Mining, Statistical Analysis, Bibliometrics

Entity Extractor using CRF May 2014 –

Supervisors: Jana Diesner

Research areas: NLP, Machine Learning, Experimentation

SentiNets - User classification based on sentiment of tweets about Social Causes 2013 – 2014

Advisor: Jana Diesner

Research areas: NLP, Machine Learning, Social Network Analysis

Department of Mathematics, Indian institute of Technology, Kharagpur

Master Thesis: Analysis of Social Media Data to determine Positive and Negative Influential Nodes in the Network Jul 2011 – May 2012

Supervisors: Dr. Gloria Ng (NUS, Singapore) & Dr. Pawan Kumar

Research areas: Sentiment analysis, Machine Learning, Visualization, Tool Development

Institute of Systems Science, National University of Singapore

Research Assistant

Tagging Singapore - A cloud based system using mash-up of dynamic data and online geographical maps for information co-creation May 2009 – Jul 2009

Supervisors: Dr. Gloria Ng

More than 20 events website data from Singapore was scrawled and formatted to be used as a service in our application. The application was deployed on a cloud platform, Google App Engine.

The work was incorporated as a workshop exercise in the course on Service Innovation [SG5228].

PUBLICATIONS

Mishra S and Diesner J, “Sentiment classification with incremental human-in-the-loop learning and lexical resource customization”, (**submitted**) in *ACM Hypertext*, Cyprus, Turkey. 2015

Mishra S, Phelps K, Agarwal S, Picco J, Guo J, Diesner J, “Enthusiasm and Support: Alternative Sentiment Classification for Social Movements on Social Media”, in *ACM Web Science*, Blomington, IN. 2014

Diesner J, Aleyasen A, Mishra S, Schecter A, Contractor N, “Comparison of Communication Networks built from explicit and implicit data”, in *Computational Approaches to Social Modeling (ChASM 2014)*, Blomington, IN. 2014

Diesner J, Aleyasen A, Kim J, Mishra S, Soltani S, “Using Socio-Semantic Network Analysis for Assessing the Impact of Documentaries”, in *WIN (Workshop on Information in Networks)* New York. 2013

POSTERS & PRESENTATIONS	<u>Mishra S</u> , Diesner J, Tao, L, Surbeck, E and Byrne, J “Incremental sentiment prediction based on human in the loop learning”, Poster in <i>GSLIS, Research Showcase</i> , Champaign, IL 2015	
	<u>Mishra S</u> , Phelps K, Agarwal S, Picco J, Guo J, Diesner J, “Enthusiasm and Support: Alternative Sentiment Classification for Social Movements on Social Media”, Poster in <i>ACM Web Science</i> , Blomington, IN. 2014	
	Agarwal S, <u>Mishra S</u> , Guo J, Phelps K, Picco J, “SentiNets: User Classification Based on Sentiment for Social Causes within a Twitter Network”, Poster at <i>GSLIS Research Showcase 2014</i> , Champaign, IL 2014	
	<u>Mishra S</u> , Torvik V, “Measures of Novelty and Growth of Bibliometrics”, Poster at <i>GSLIS Research Showcase</i> , Champaign, IL 2014	
	Agarwal S, <u>Mishra S</u> , Guo J, Phelps K, Picco J, “SentiNets: User Classification Based on Sentiment for Social Causes within a Twitter Network”, Poster at <i>iConference</i> , Berlin, Germany 2014	
OTHER WORK EXPERIENCE	Wilner S, <u>Mishra S</u> , Aleyasen A, Soltani S, Diesner J, “Comparison of Network Data Constructed from Bodies and Meta Data of Text Corpora”, Presentation at <i>Sunbelt</i> , St. Petersburg, FL 2014	
	Citrix , Bangalore, India	
	Software Engineer, NetScaler INFRA Team	Jul 2012 – Jul 2013
	Authorization and content switching policy for NetScaler 10.1, Real time document annotation and chat collaboration UI for Podio workspaces in Node.js	
	Barclays Capital , Singapore	
ACADEMIC HONORS & AWARDS	Global Technology Analyst	May 2011 – Jul 2011
	Enhanced 6 year old VB 6.0 software and documented it, which saved the team 1 week per month of work.	
	Developed C# based web application for deployment of scripts on OpenLink and Oracle.	
	Secured 4.77/5 with a performance grade of A in Final Appraisal.	
	Global Venture Lab , Jyväskylä, Finland	
	Lead Web Developer	Dec 2009 – Jan 2010
	Prototyped the company portal for networking & project management of its global membership.	
	Developed & administered the company website, and coached the employees on its usage.	
	<i>Certificate of Distinction, Coursera.org</i>	2012 – 2013
	Subjects: Machine Learning, Social Network Analysis, Social and Economic Networks, and Introduction to Data Science	
CAMPUS ACTIVITIES	<i>Kishore Vaigyanik Protsahan Yojana Scholar</i>	2007– 2012
	Indian Institute of Technology, Kharagpur	
	Most reputed scholarship for science students doing research in India	
	<i>Trisham Medal, Best Mathematician in School</i>	2007
	Boys’ High School and College, Allahabad, India	
	Given to best mathematician in School. Secured 100% in mathematics in ISC board exams.	
	<i>3rd rank in Regional Mathematics Olympiad, Uttar Pradesh</i>	2006
	<i>School Whiz Kid, Gold Medal</i>	2006
	National Cyber Olympiad	
	For securing 19th rank nationally in National Cyber Olympiad.	
	AIESEC	
	President, AIESEC IIT Kharagpur Local Chapter	2011 – 2012
	Led a local chapter of 70+ members,	
	Managed 2 major events related to corporate student interaction and social impact.	