

Shubhanshu Mishra

102 N Lincoln Avenue, Apt 7, Urbana, Illinois 61801, USA
smishra8@illinois.edu • +1 (217) 721-8520 • <http://shubhanshu.com/>

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 PROJECTS

iSchool, University of Illinois at Urbana-Champaign

Research Assistant

SAIL - Sentiment Analysis and Incremental Learning May 2014 –

Supervisors: Jana Diesner

<https://github.com/uiuc-ischool-scanr/SAIL>

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

ConText - Tool for extracting and analyzing network data from text May 2014 –

Supervisors: Jana Diesner

<http://context.lis.illinois.edu/>

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

Profiling authors and articles based on novelty, expertise and self-citation in PubMed Jan 2014 –

Supervisors: Vetle Torvik

<http://abel.lis.illinois.edu/legolas/>

<http://abel.lis.illinois.edu/gimli/>

Research areas: Data Mining, Statistical Analysis, Bibliometrics

Entity Extractor using CRF and Deep Learning May 2014 –

Supervisors: Jana Diesner

Research areas: NLP, Machine Learning, Deep Neural Networks

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

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

PERSONAL PROJECTS

- Deep Sequence Classification* Jan 2016
A deep learning based sequence classification model for text data. It uses a combination of word embeddings and convolution features over characters of each token. It is jointly trained to predict the boundary and category classes per token. <https://github.com/napsternxg/DeepSequenceClassification>
- Flavor savor* Feb 2015
An online map based interface for suggesting nearby restaurants based on flavor popularity and writing reviews using hashtags. <https://github.com/napsternxg/FlavorSharer>
- Facebook Group Visualizer* Oct 2014
A tool for temporal visualization of Facebook group time-lines with focus on identifying author, post and comment networks. <http://shubhanshu.com/FacebookGroupVisual/index.html>
- ReadLater* 2013
A Google Chrome extension for storing unread pages for later viewing. Uses Google Chrome synchronized storage. <https://github.com/napsternxg/ReadLater>

PUBLICATIONS

- Mishra S et. al, “Sentiment Analysis with Incremental Human-in-the-Loop Learning and Lexical Resource Customization”, in *ACM Hypertext*, Cyprus, Turkey. 2015 [POSTER]
- Mishra S, Diesner J, Tao, L, Surbeck, E and Byrne, J “Incremental sentiment prediction based on human in the loop learning”, in *GSLIS, Research Showcase*, Champaign, IL 2015 [POSTER]
- 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 [POSTER]
- 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
- Agarwal S, Mishra S, Guo J, Phelps K, Picco J, “SentiNets: User Classification Based on Sentiment for Social Causes within a Twitter Network”, at *GSLIS Research Showcase 2014*, Champaign, IL 2014 [POSTER]
- Mishra S, Torvik V, “Measures of Novelty and Growth of Bibliometrics”, at *GSLIS Research Showcase*, Champaign, IL 2014 [POSTER]
- Agarwal S, Mishra S, Guo J, Phelps K, Picco J, “SentiNets: User Classification Based on Sentiment for Social Causes within a Twitter Network”, at *iConference*, Berlin, Germany 2014 [Presentation]
- Wilner S, Mishra S, Aleyasen A, Soltani S, Diesner J, “Comparison of Network Data Constructed from Bodies and Meta Data of Text Corpora”, at *Sunbelt*, St. Petersburg, FL 2014 [Presentation]
- 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

OTHER WORK EXPERIENCE

- 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
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**, Jyvaskyla, 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.

**ACADEMIC
HONORS
& AWARDS**

Certificate of Distinction, Coursera.org 2012 – 2013
Subjects: Machine Learning, Social Network Analysis, Social and Economic Networks, and Introduction to Data Science

Kishore Vaigyanik Protsahan Yojana Scholar 2007– 2012
 Indian Institute of Technology, Kharagpur
 Most reputed scholarship for science students doing research in India

Trisham Medal, Best Mathematician in School 2007
 Boys' High School and College, Allahabad, India
 Given to best mathematician in School. Secured 100% in mathematics in ISC board exams.

3rd rank in Regional Mathematics Olympiad, Uttar Pradesh 2006

School Whiz Kid, Gold Medal 2006
 National Cyber Olympiad
 For securing 19th rank nationally in National Cyber Olympiad.

**CAMPUS
ACTIVITIES**

AIESEC 2011 – 2012
 President, AIESEC IIT Kharagpur Local Chapter
 Led a local chapter of 70+ members,
 Managed 2 major events related to corporate student interaction and social impact.