

# Tushar<sup>1</sup>

<http://imbenzene.github.io/>  
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## EDUCATION

### CORNELL UNIVERSITY

MASTERS IN INFORMATION SCIENCE  
Expected Dec 2014

### UNIVERSITY OF DELHI

B.ENG IN COMPUTER ENGINEERING  
Netaji Subhas Institute of Technology  
June 2013 | New Delhi, India

## LINKS

Github:// [imbenzene](#)  
LinkedIn:// [imbenzene](#)  
Twitter:// [@imbenzene](#)

## COURSEWORK

### GRADUATE

Advanced Topic Modeling  
Graphical Models  
Deception in Networked Age  
Games and Internet  
Information Retrieval  
Machine Learning  
Data Mining (\*Teaching Assistant)  
Health & Computation

### UNDERGRADUATE

Databases  
Operating Systems  
Data Structures  
Software Engineering  
Artificial Intelligence  
Computer Graphics  
Automata  
Compilers

## SKILLS

### PROGRAMMING

Over 5000 lines:  
Python • R • Matlab  
Less than 1500 lines:  
C • C++  
Others:  
SQL • D3.js • Rails • Assembly

### PACKAGES/ SOFTWARES

Map-Reduce, RegEx, iGraph, Spark

## HOBBIES

Hiking, long runs, Swimming

## EXPERIENCE

### USERTESTING INC. | MASTERS PROJECT + SUMMER INTERN

Aug 2013 – Dec 2013 and Aug 2014 | Mountain View, CA

Designed and developed a project to summarize video (20 mins) of a user thinking out loud into textual summary highlighting actionable sections (5 mins). Developed speech and text processing applications using CMU Sphinx and NLP algorithms.

### DATAKIND | VOLUNTEER

Feb 2014 - April 2014 | Manhattan, NY

Worked in a team of three data scientists from Spotify and Priceline, combining skills in quant and text analysis. Insights extracted using NLP techniques on text surveys responses were used to re-design curriculum of the Mission Continues programs.

### RAND-STANFORD DATA MINING PROJECT

Jun '13 - Aug '13 | Stanford, CA

Researched and curated over 200 databases related to wide variety of economic areas involving development, cleaning and technical design of databases for [randstatestats.org](http://randstatestats.org), a project of RAND Corporation, USA.

### BLOGWORKS- SCENARIO CONSULTANCY | KNOWLEDGE DEV.

Jun-Jul 2011 | Delhi, India

Improved the data analytics and knowledge extraction by contributing computationally (web mining) in the creation of process flow. Provided actionable content in form of dashboards for marketing campaign for Mahindra & Mahindra.

## RESEARCH

### IDEAL-LAB, WEILL CORNELL MEDICAL SCHOOL | RESEARCH ASST.

Jan 2014 – July 2014 | Manhattan, NY

Worked under Prof. Ashish Raj on graph theoretical models to explore dynamic evolution of neurological networks extracted through DTI and fMRI images for Schizophrenia and Alzheimer's disease. Two publications under review.

### IIIT-DELHI | RESEARCH ASST.

April 2013 - May 2013 | New Delhi, India

Worked under Prof Saket Srivastava on the project- 'Probabilistic modeling of financial market instruments' related to mining of investor behavior from the web-search volumes and Twitter.

## SELECTED PUBLICATIONS

- Tushar Rao and Saket Srivastava, 'Modeling Movements in Oil, Gold, Forex and Market Indices using Search Volume Index and Twitter Sentiments', ACM Web Science Conference, (WebSci'13)
- Tushar Rao and Saket Srivastava, 'TweetSmart: Hedging In Markets Through Twitter', Third International Conf. Emerging Applications of Information Technology (EAIT '12), ISI-Kolkata

## AWARDS & ACHIEVEMENTS

Oct 2014	Won 2 <sup>nd</sup> prize (\$10,000) in NYS Health Innovation Challenge
Sep 2014	Won 3 prizes by WilmerHale, Goldman Sachs and Spear at BigRedHacks
April 2014	Won 3rd prize at MIT Hacking Medicine NYC Hackathon
2011-12	Summer Research Fellowship at IIIT-D

<sup>1</sup>Mononymous: No last name in the legal documents. Legally 'FNU Tushar'.