

Tushar¹

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

CORNELL UNIVERSITY

MASTERS IN INFORMATION SCIENCE
Expected Dec 2014 | Cum. GPA: 3.57

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, 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

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

¹Mononymous: No last name in the legal documents. Legally 'FNU Tushar'.