

# Romil Bansal

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## ACADEMIC QUALIFICATIONS

Examination	Year	Board/University	%/CGPA
M.S (by Research)	2015	International Institute of Information Technology, Hyderabad	9.3
B.E	2011	Delhi University (Netaji Subhas Institute of Technology, New Delhi)	64.68%
AISSCE	2007	CBSE (Kulachi Hansraj Model School, Ashok Vihar)	86.0% 91.67% (PCM)
AISSE	2005	CBSE (Kulachi Hansraj Model School, Ashok Vihar)	85.0%

## INDUSTRY EXPERIENCE

Organization	Designation	Role	Experience
Tata Consultancy Services Ltd. (TCS Innovation Labs)	Assistant System Engineer	Researcher	1 year (July, 2011 - July, 2012)

## TECHNICAL SKILLS

- Programming Languages: Python, Java, C/C++
- Data Structures
- Applications: HTML, Javascript, Eclipse, Latex
- Toolkits: Scikit-learn, Stanford NER, Stanford POS Tagger, NetworkX

## PATENTS AND PUBLICATIONS

- India Patent 3124/MUM/2012, Issued March 8, 2013, Tata Consultancy Services: *A System and Methods for Curating Web-Magazine*.
- Kumar Vishal, Romil Bansal, Anoop M. Namboodiri and C. V. Jawahar, *Providing Services on Demand by User Action Modeling on Smart Phones*, UbiComp 2014, Seattle, Washington.
- Romil Bansal, Sandeep Panem, Manish Gupta and Vasudeva Varma, *EDIUM: Improving Entity Disambiguation via User Modeling*, ECIR 2014, Amsterdam, Netherlands.
- Romil Bansal, Radhika Kumaran, Diwakar Mahajan, Arpit Khurdiya, Lipika Dey, Hiranmay Ghosh, *TWIPIX: A Web Magazine Curated from Social Media*, ACM Multimedia 2012, Nara, Japan.

## PROJECTS

- Author Profiling - Predicting Age and Gender from Blogs*: A Machine Learning approach for determining authors' age and gender from blogs using content, stylistic and topic based features.
- FeedPeek - Summarizing your feeds*: Summarizing Twitter and RSS Feeds so that you read what you want.
- Twitbookmarks*: An application to bookmark URLs in user's twitter timeline with automated tag recommendation.
- Traffic Congestion Detection (on Indian Roads)*: The aim of the project was to detect the traffic density from the given Image/Video using Image Processing Algorithms. A comparative study of different segmentation algorithms and extending it to the Indian roads (highly cluttered) scenario.
- Sandhan - Cross Language Information Access System*: A search engine for cross language (Indian languages) information search.
- MAITRA - Multimedia Asynchronous Interactive Teaching Architecture*: Implemented the web architecture and framework for Asynchronous teaching architecture to be used within Tata Consultancy Services.

## COURSE WORK

Machine Learning (Teaching Assistant)	Data Mining
Natural Language Applications	Statistical Methods in AI
Information Retrieval and Extraction (Teaching Assistant)	Digital Image Processing
Web Mining (Teaching Assistant)	

## EXTRA CURRICULAR ACHIEVEMENTS

- Participated in Google Apps Developers Challenge and created applications FaceShows and FeedPeek. FaceShows was selected among the best 3 applications in the social category from India.
- Participated in 24 hrs. Yahoo Hackathon and created an application FlickDesk, which provides Desktop UI to Flickr.
- Participated in various IR shared tasks and challenges like PAN CLEF, ERD, NEEL and TagMe. We obtained Second position in Author Profiling task at CLEF 2013.
- Attended various Machine Learning and Big Data meet-ups like BDA2013, Yahoo School on Multimedia and Information Retrieval etc. Volunteered at the 36th European Conference on Information Retrieval at Amsterdam, Netherlands.