

Nibir N. Bora

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- EDUCATION**
- ◇ **University of Southern California**, Los Angeles (Fall 2012 - Present)
Master of Science *in* Computer Science
 - ◇ **KIIT University**, Bhubaneswar, India (2008 - 2012)
Bachelor of Technology *in* Computer Science and Engineering
Bachelor thesis: Etola: Heuristic Clustering of Short Text
Overall GPA: 9.22/10
- TRAINING/ INTERNSHIP**
- ◇ **Summer Research Internship**, IIT Guwahati, India (May 2011 - Jul 2011)
Area of research: Sentiment Analysis, Machine Learning
Project: Feature Based Sentiment Analysis on Twitter (Proposed a novel noisy label technique for tweets, created a training dataset of size 1.5 million, few auxiliary datasets, and implemented Naive Bayes classifier for tweets.)
 - ◇ **IBM Career Education Program**, IIIML Kolkata, India (May 2010 - Jun 2010)
Technology: J2EE (JSP and servlets), IBM WebSphere, IBM DB2
Project: Smarter Space Management System (A computer aided automation system for a warehouse with features like online space registration, online transaction maintenance, automatic email notifications, and report generation.)
- PROJECTS**
- ◇ **Geospatial Analysis of Motion-Based Intelligence & Tracking (GAMBIT)** (Sep 2012 - Present)
Directed Research at Information Sciences Institute, USC
Building a tool to visualize spatio-temporal patterns in human behavior, sentiment analysis and clustering on geotagged Twitter data.
 - ◇ **Dirbi: Socio-cultural Elements in Multimodal Human Communication** (Sep 2012 - Present)
<http://dirbi.nibir.me> *Area of research*: Multimodal human communication
Analyzing verbal and non-verbal features of human communication and behavior to identify socio-cultural influences.
 - ◇ **Etola: Heuristic Clustering of News Headline** (August 2011 - May 2012)
<http://etola.nibir.me> *Area of research*: Document Clustering
Proposed a novel heuristic method to cluster news headlines, tested on five short-text corpuses, and compared results with traditional clustering algorithms and results of other short-text clustering.
 - ◇ **Mejaj: A Sentiment Classification tool for Tweets** (May 2011 - March 2012)
<http://mejaj.nibir.me> *Area of research*: Sentiment Analysis, Machine Learning
Proposed a novel noisy label technique for tweets and carried out a comparative study with other noisy label techniques. Different methods of feature reduction and automatic test set generation were also studied. A web based application for opinion mining on tweets is available on the URL.
- PUBLICATION**
- ◇ Heuristic Frequent Term-Based Clustering of News Headlines (*ICCCS'12*)
 - ◇ A Comparative Study of Various Labelling Techniques on Twitter Corpus (*Journal submission*)
 - ◇ Summarizing Public Opinions in Tweets (*CICLing'12 and IJCLA, June'12 edition*)
Posters:
 - Summarizing Public Opinions in Tweets (*CICLing'12.*)
 - Etola: A News Headline Clustering Tool (*ICDCIT'12*)
- SKILLS**
- ◇ C, C++, PHP, Java, Python
 - ◇ HTML, CSS, JavaScript
 - ◇ jQuery, Google Maps API, Django
 - ◇ Oracle, MySQL