

Md Mustafizur Rahman

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OBJECTIVE

Seeking an internship for Summer 2017

EDUCATION

UNIV. OF TEXAS AT AUSTIN

PHD IN INFORMATION SCIENCE

Fall, 2016 - Present | Austin, TX

Conc. in Information Retrieval using Deep Learning

UNIVERSITY OF VIRGINIA

MASTERS IN COMPUTER SCIENCE

May, 2016 | CGPA: 3.72 / 4.0

Conc. in Text Mining.

BANGLADESH UNIV. OF ENGG. & TECH.

M.Sc. IN COMPUTER SCIENCE & ENGINEERING

Aug 2013 | CGPA: 3.83 / 4.0

B.Sc. IN COMPUTER SCIENCE & ENGINEERING

Feb 2011 | CGPA: 3.95 / 4.0

SKILLS

Programming language: C, C++, Java, SQL, Python, Scala, \LaTeX , \TeX

Scientific Computing: Matlab, WEKA

Open Source Packages: Apache Lucene, Apache OpenNLP

Big Data Tools: Elasticsearch, Apache Spark, Spark-SQL, Hive

Web Programming: HTML, CSS, PHP, Jade, JavaScript, Node.js

Deep Learning: Keras, TensorFlow

Data Mining/Machine Learning: Naive Bayes, Logistic Regression, Linear Regression, Neural Networks, SVM, K-Nearest Neighbour, K-means, Recommendation Systems, Expectation Maximization (EM), Hidden Markov Model, Natural Language Processing (NLP)

Text mining: Language Model, Probabilistic Latent Semantic Analysis (pLSA), Latent Dirichlet Allocation (LDA)

Version Control: Git

Project Build Tools: Apache Maven, SBT

Operating Systems: Microsoft Windows, Linux

SELECTED PROJECTS

TOPIC MODELING FOR UNSTRUCTURED USERS' REVIEWS

January 2015 - October 2015

- Developed a Markov model based topic model which captures transition of users' sentiment on sentence by sentence

- Crawled customers' reviews from Amazon.com and NewEgg.com and applied our model

PERSONALIZED JOB MATCHING | UNIVERSITY OF VIRGINIA

August 2014 - December 2014

- Developed multiple crawlers for crawling job-postings from Google, Facebook, Microsoft and IBM

- Indexed 1GB of crawled data using Apache Lucene

- Designed a rank model based on indexed results and developed an interface to show the search results for a given search query

SENTIMENT ANALYSIS ON IMDB MOVIE REVIEWS | UNIVERSITY OF VIRGINIA

April 2015 - May 2015

- Developed a multi-class sentiment classification algorithm for labelling the sentiment label of IMDB movie review

- Successfully participated in Kaggle Competition - *Bag of Words Meets Bags of Popcorn*
<https://www.kaggle.com/c/word2vec-nlp-tutorial/leaderboard>

PUBLICATIONS

CONFERENCE PROCEEDING January 2015 - October 2015

Md. Mustafizur Rahman and Hongning Wang, "Hidden Topic Sentiment Model," 25th International World Wide Web Conference (WWW 2016), Montreal, Canada, 2016.

<http://dl.acm.org/citation.cfm?id=2883072>

JOURNAL April 2012 - May 2013

Md. Mustafizur Rahman, Md. Monirul Islam, Kazi Yuki Murase and Xin Yao, "Layered Ensemble Architecture for Time Series Forecasting," *IEEE transaction on Systems, Man and Cybernetics*, February 24, 2015.[Online].

<http://dx.doi.org/10.1109/TCYB.2015.2401038>

EXPERIENCE

HCOMP 2016 CONFERENCE | REVIEWER

UNIVERSITY OF VIRGINIA | GRADUATE RESEARCH ASSISTANT

Aug 2014 - May 2016 | Charlottesville, VA

STOCHASTIC LOGIC LIMITED | QUANTITATIVE SOFTWARE DEVELOPER

Nov 2010 - July 2014 | Dhaka, Bangladesh

AWARDS

2016-2017	Full Tuition Waiver and Research Assistantship, University of Texas at Austin
2014-2016	Full Tuition Waiver and Graduate Assistantship, University of Virginia
2012	Workshop Scholarship, National University of Singapore (NUS), Singapore
2006-2011	Student Scholarship, Institute of International Education, New York, USA
2011	Award of Excellence, Nazrul Islam Hall, BUET, Bangladesh