

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, Python, SQL, \LaTeX , \TeX

Scientific Computing: Matlab, WEKA

Deep Learning: Keras, TensorFlow

Open Source Packages: Apache Lucene, Apache OpenNLP

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

Data Mining/Machine Learning: Naive Bayes, Logistic Regression, Linear Regression, Neural Networks, SVM, K-Nearest Neighbour, K-means, 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

Operating Systems: Microsoft Windows, Linux

SELECTED PROJECTS

ATTENTION-BASED LEARNING TO RANK | December 2016 - Present

-Developing an attention-based model to find out the important part of a document by using the rationale

ANSWER SELECTION IN NON-FACTOID QUESTION ANSWERING USING DEEP LEARNING | October 2016 - December 2016

-Applied Convolutional Neural Network (CNN) on Non-factoid Question Answering

-Leveraged word embedding for semantic representation

-Performed answer selection using similarity measure between the semantic vector of questions and answers

-Developed using Python, Keras and TensorFlow

LEVERAGING ACTIVE LEARNING FOR LABELING TREC AD-HOC DATA-SET | December 2016 - Present

-NIST evaluates relevance judgement only for a set of documents in a collection because human evaluation is costly. The purpose of this project is to develop an active learning approach which will find out the fine-grained balance between cost and gold-dataset collection

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

SELECTED 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, Kaziyuki 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 TEXAS | GRADUATE RESEARCH ASSISTANT

August 2016 - Present | Austin, TX

UNIVERSITY OF VIRGINIA | GRADUATE RESEARCH ASSISTANT

August 2014 - May 2016 | Charlottesville, VA

STOCHASTIC LOGIC LTD. | QUANTITATIVE SOFTWARE DEVELOPER

Nov 2010 - July 2014 | Dhaka, Bangladesh

AWARDS

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|-----------|---|
| 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 |