

OBJECTIVE

Seeking an internship position for summer 2019 in the area of Machine Learning and Deep Learning

EDUCATION

University of Texas at Austin <i>Ph.D. in Information Science (in progress); GPA: 3.89</i>	Austin, TX <i>Aug. 2016 – Present</i>
University of Virginia <i>Masters in Computer Science; GPA: 3.72</i>	Charlottesville, VA <i>Aug. 2014 – May 2016</i>
Bangladesh University of Engineering and Technology <i>M.Sc. in Computer Science and Engineering; GPA: 3.83</i>	Dhaka, Bangladesh <i>Mar. 2011 – Aug. 2013</i>
Bangladesh University of Engineering and Technology <i>B.Sc. in Computer Science and Engineering; GPA: 3.95</i>	Dhaka, Bangladesh <i>Jan. 2006 – Feb. 2011</i>

PROFESSIONAL EXPERIENCE

PhD Research Intern <i>Samsung Research America, Mountain View, CA</i>	<i>May 2018 – Aug. 2018</i>
Open Domain Question Answering - Developed an open domain question answering system for Samsung's <i>Bixby</i> using a combination of a deep machine reading comprehension model and a deep learning to rank model. Skills: Python, Keras.	
Applied Machine Learning Intern <i>Los Alamos National Laboratory, Los Alamos, NM</i>	<i>June 2017 – Aug. 2017</i>
Semi-supervised Deep Learning for NLP - Developed a semi-supervised graph-based regularized deep learning model for cancer pathology reports. Skills: Python, Keras.	
Graduate Research Assistant <i>University of Texas at Austin, Austin, TX</i>	<i>Aug. 2016 - Present</i>
Answer Selection in Non-factoid Question Answering using Deep Learning - Developed a Convolutional Neural Network (CNN) based approach for non-factoid question answering. Skills: Python, Keras.	
Graduate Research Assistant <i>University of Virginia, Charlottesville, VA</i>	<i>May 2015 - Aug. 2015</i>
Hidden Topic Sentiment Model. (Rahman and Wang, WWW 2016). Skills: Java, Apache OpenNLP.	

SELECTED PUBLICATIONS [[COMPLETE LIST](#)]

1. **Md Mustafizur Rahman**, Mucahid Kutlu, and Matthew Lease, "Constructing Test Collection using Multi-armed Bandit and Active Learning," *28th International World Wide Web Conference (WWW 2019)*, San Francisco, USA, 2019. [to appear] (*Acceptance Rate: 20%.*)
2. **Md Mustafizur Rahman**, Mucahid Kutlu, Tamer Elsayed, and Matthew Lease, "Efficient Test Collection Construction via Active Learning," September 2018. (under revision for *JASIS&T*)
3. Kezban Dilek Onal, Ye Zhang, Ismail Sengor Altingovde, **Md Mustafizur Rahman**, and others, "Neural Information Retrieval: At the End of the Early Years," *Information Retrieval Journal*, Springer, 2018.
4. Malay Bhattacharyya, Yoshihiko Suhara, **Md Mustafizur Rahman**, and Markus Krause, "Possible Confounds in Word-based Semantic Similarity Test Data," *20th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2017)*, Portland, OR, USA, 2017. Blog: <https://humancomputation.com/blog/?p=9492>
5. **Md Mustafizur Rahman** and Hongning Wang, "Hidden Topic Sentiment Model," *25th International World Wide Web Conference (WWW 2016)*, Montreal, Canada, 2016. (*Acceptance Rate: 16%.*)
6. **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*, 46(1): 270–283, 2016.

SKILLS

Programming language: Java, Python, C, C++, L^AT_EX, T_EX

Deep Learning: CNN, LSTM. Framework - Keras, Scikit-Learn, TensorFlow

Machine Learning: Naïve Bayes, Logistic Regression, Linear Regression, Bagging, Boosting, Random Forest, SVM, K-Nearest Neighbour, K-means, Expectation Maximization (EM), Hidden Markov Model (HMM), Active Learning. Co-training, Self-training, Semi-supervised Learning, Graph Regularization and Reinforcement learning – Multi-Armed Bandit algorithms

Text mining: Probabilistic Latent Semantic Analysis (pLSA)

Operating Systems: Linux