SHEIKH RABIUL ISLAM

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EDUCATION

- **Ph.D.** (in progress) in Computer Science, *Tennessee Tech University, TN, USA.* 2015-Spring,2020

  Selected coursework: Data Mining, Big Data, Anomaly and Intrusion Detection, Intelligent Information Systems, Learning Theory, and Parallel Programming.

- **MS** in Computer Science, GPA 3.89, *Tennessee Tech University, TN, USA.* 2015-2018

- **BSc** in Computer Science, GPA 3.84, *Islamic University of Technology, Bangladesh.* 2007-2010

TOOLS AND RELATED SKILLS

- *Programming*: Python, Java, C++, PHP, MPI, OpenMP, CUDA, Javascript, and R.

- *Data Science*: Proficient in Scikit-learn, NLTK, Pandas, and Flask; Familiar with Tensorflow, Keras, Caffe, D3.js, Highchart, Matlab, and Weka.

- *Database*: Oracle, MySql, PostgreSQL, and Sqlite3.

- *Certification & Training*: High-Performance Computing Workshop at ORNL, Oracle Database SQL Certified Expert (2013), Red Hat Certified Engineer (RHCE) training course at Base Ltd.

EXPERIENCE

- *Graduate Research Assistant*, Tennessee Tech University: Currently working towards my dissertation on an efficient predictive modeling technique for hierarchical and longitudinal data. Possible use cases are in financial (e.g., credit risk) and cyber security (e.g., log analysis) domain. 2018-present

- *Advanced Short-Term Research Intern*, Oak Ridge National Laboratory (ORNL), USA: Worked on an automated and generalized malware detection technique from host logs. Summer, 2018

- *Graduate Teaching Assistant*, Tennessee Tech University: Worked on different research and software development project. Also, instructed some undergraduate labs (C++, Database). 2015-2018

- Worked independently and collaboratively in multiple software development projects during my four years of fulltime job in two different telecommunication company in Bangladesh. 2011-2015

RESEARCH AND AWARDS

- *Research Interests*: Fraud/Anomaly Detection, Predictive Modeling, Data Mining, Big Data Analysis, and Text Mining.

- Islam et al., *Mining Illegal Insider Trading of Stocks: A Proactive Approach*, IEEE Big Data, 2018. 2018

- Islam et al., *Credit Default Mining Using Combined Machine Learning and Heuristic Approach,* ICDATA, 2018. 2018

- Islam et al., *Mining Bad Credit Card Accounts from OLAP and OLTP*. ACM-ICCDA, 2017. 2017

- Co-author in few other research paper, poster, and extended abstract.

- Ivanhoe Fellowship 2017

PROFESSIONAL SERVICES

- President, Computer Science Graduate Club 2018

- Member, IEEE 2018