SHEIKH RABIUL ISLAM

(931) 529 1232 | sheikh.rabiul.islam@outlook.com | sislam42@students.tntech.edu
Website: sheikhrabiul.github.io | LinkedIn: www.linkedin.com/in/srislam | Github: github.com/SheikhRabiul

EDUCATION

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

  Selected coursework: Machine Learning, 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, C++, Java, 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 on improving interpretability and explainability of Artificial Intelligence based complex models.   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*: Interpretable and Explainable Artificial Intelligence, Fraud/Anomaly Detection, Predictive Modeling, Big Data, and Data Mining.
- Islam et al., *Infusing domain knowledge in AI-based "black box" models for better explainability with application in bankruptcy prediction*, KDD 2019, Workshop: Anomaly Detection in Finance.   2019
- 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; Student Travel Award, ACM SIGKDD.   2017, 2019

PROFESSIONAL SERVICES

- President, Computer Science Graduate Club   2018
- Member, IEEE   2018