MR. ABDULLAH-AL- MAMUN

Lecturer & On Leave

in

PhD in Computer Science (ongoing), Purdue University, West Lafayette, Indiana, USA

MS

Computer Science, Memorial University of Newfoundland (MUN), Canada

BS in Computer Science, Islamic University of Technology (IUT), Bangladesh

Email: abdullah.mamun03@northsouth.edu

Research Areas

▪ Database and Information Systems

▪ Artificial Intelligence & Robotics

Research Interests

Database Systems (DB) + Machine Learning (ML)

ML for DB: Learned Multi-dimensional Indexes

DB for ML: Extending DB to support efficient ML workloads

Teaching

▪ CSE 173 Discrete Mathematics

▪ CSE 225 Data Structures and Algorithms

▪ CSE 311 Database Systems

▪ CSE 327 Software Engineering

▪ CSE 473 Theory of Computation

Selected Publications

Conference Papers

▪ Sheikh Muhammad Sarwar, Abdullah-Al-Mamun, "Next Word Prediction for Phonetic

Typing by Grouping Language Models," In Proceedings of 2nd International Conference

on Information Management (ICIM), p. 73-76, IEEE, 2016

▪ Abdullah-Al-Mamun, Antonina Kolokolova, Dan Brake, "Detecting Contextual

Anomalies from Time-Changing Sensor Data Streams," In Proceedings of the Doctoral

Consortium of 25th European Conference on Machine Learning and Principles and Practice

of Knowledge Discovery in Databases (ECML PKDD), p.13, 2015

▪ Sheikh Muhammad, Md Anowarul Abedin, A. H. M. Ullah, Abdullah-Al

Mamun, "Personalized Query Expansion for Web Search Using Social Keywords," In

Proceedings of 15th International Conference on Information Integration and Web-based

Applications & Services (iiWAS), p. 610. ACM, 2013

▪ Abdullah-Al-Mamun, Md. Anowarul Abedin, Md. Al Arman, Prof. Dr. M.A. Mottalib,

Mohammad Rezwanul Huq, "Mining Data Stream from a Higher Level of Abstraction:

A Class Window Approach," In Proceedings of the International Conference on Informatics

Engineering & Information Science (ICIEIS), p.461. Springer, 2011

Others

▪ Umme Hafsa Billah, Sheikh Muhammad Sarwar, Abdullah-Al-Mamun, "Personalized

Language Models for Computer-mediated Communication," In Proceedings of 3rd

International Workshop on Concept Discovery in Unstructured Data (workshop co-located

with the 13th International Conference on Concept Lattices and Their Applications), p. 2-12,

2016