

## Publications

### Journal Papers

- [1] Discovery of Functional Motifs from the Interface Region of Oligomeric Proteins using Frequent Subgraph Mining  
**Tanay Kumar Saha**, Ataur Katebi, Wajdi Dhifli, Mohammad Al Hasan  
IEEE/ACM Transactions on Computational Biology and Bioinformatics (2017). 2017.
- [2] Name disambiguation from link data in a collaboration graph using temporal and topological features  
**Tanay Kumar Saha**, Baichuan Zhang, Mohammad Al Hasan  
Social Network Analysis and Mining 5.1 (2015) pp. 1–14. Springer Vienna, 2015, Springer Vienna.
- [3] FS<sup>3</sup>: A sampling based method for top-k frequent subgraph mining  
**Tanay Kumar Saha**, Mohammad Al Hasan  
Statistical Analysis and Data Mining 8.4 (2015) pp. 245–261. Wiley Online Library, 2015, Wiley Online Library.

### Conference Papers

- [1] Regularized and Retrofitted models for Learning Sentence Representation with Context (Acceptance Rate: 21%)  
**Tanay Kumar Saha**, Shafiq Joty, Naeemul Hassan, Mohammad Al Hasan  
Proceedings of the 26th ACM International Conference on Information and Knowledge Management, CIKM, 2017.
- [2] Con-S2V: A Joint Learning framework for incorporating Extra-Sentential Context into Sen2Vec (Acceptance Rate: 27%) [Code: <https://github.com/tksaha/con-s2v>]  
**Tanay Kumar Saha**, Shafiq Joty, Mohammad Al Hasan  
Machine Learning and Knowledge Discovery in Databases - European Conference, ECML PKDD, 2017.
- [3] ACTS: Extracting Android App Topological Signature through Graphlet Sampling (Acceptance Rate: 29%)  
Wei Peng, Tianchong Gao, Devkishen Sisodia, **Tanay Kumar Saha**, Feng Li, Mohammad Al Hasan  
IEEE Conference on Communications and Network Security, 2016.
- [4] Discovery of Functional Motifs from the Interface Region of Oligomeric Proteins using Frequent Subgraph Mining Method  
**Tanay Kumar Saha**, Ataur Katebi, Mohammad Al Hasan  
15th International Workshop on Data Mining in Bioinformatics (BIOKDD'16), 2016.
- [5] Finding network motifs using MCMC sampling  
**Tanay Kumar Saha**, Mohammad Al Hasan  
Complex Networks VI, 2015, Springer International Publishing.
- [6] Batch-mode active learning for technology-assisted review  
**Tanay Kumar Saha**, Mohammad Al Hasan, Chandler Burgess, Md Ahsan Habib, Jeff Johnson  
IEEE International Conference on Big Data, 2015.
- [7] Name disambiguation from link data in a collaboration graph  
**Tanay Kumar Saha**, Baichuan Zhang, Mohammad Al Hasan  
2014 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), 2014.

### Poster Papers

- [1] Finding network motifs using MCMC sampling  
**Tanay Kumar Saha**, Mohammad Al Hasan  
18th Annual International Conference on Research in Computational Molecular Biology (RECOMB), 2014.

### Working/Submitted Papers

- [1] Effective Feature Representation for Link prediction in Dynamic Networks  
Mahmudur Rahman, **Tanay Kumar Saha**, Mohammad Al Hasan, Kevin S. Xu, Chandan K. Reddy  
Machine Learning Journal, 2017.
- [2] Study of Methods for Abstract Screening in a Systematic Review Platform  
**Tanay Kumar Saha**, Mourad Ouzzani, Hossam Hammady, Ahmed K. Elmagarnid, Mohammad Al Hasan

## Provisional Patent Application

- [1] Apparatus and Method of Implementing Batch-Mode Active Learning for Technology-Assisted Review of Documents  
Jeffrey A Johnson, Md Ahsan Habib, Chandler L Burgess, **Tanay Kumar Saha**, Mohammad Al Hasan  
US Patent App. 15/260,444, 2016.
- [2] Apparatus and Method of Implementing Enhanced Batch-Mode Active Learning for Technology-Assisted Review of Documents  
Jeffrey A Johnson, Md Ahsan Habib, Chandler L Burgess, **Tanay Kumar Saha**, Mohammad Al Hasan  
US Patent App. 15/260,538, 2016.