

S M SHOVAN

Holding No: 896-01, Chhoto Kali Bari Akurtakur, Tangail-1900

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ACADEMIC CREDENTIALS

M.Sc. in Computer Science & Engineering 2019 – Present
Rajshahi University of Engineering & Technology (RUET), Bangladesh

B.Sc. in Computer Science & Engineering 2014 – 2018
Rajshahi University of Engineering & Technology (RUET), Bangladesh
CGPA: **3.96/ 4.00 (First Merit Position)**
Thesis: *Prediction of Lysine Glycation PTM site in Protein using Peptide Sequence Evolution based Features, 2017-18*
Supervisor: Dr. Md. Al Mehedi Hasan (Professor)

TEACHING EXPERIENCE

Lecturer November 2019 – Present
Department of Computer Science & Engineering
Rajshahi University of Engineering & Technology, Bangladesh

Lecturer February 2019 – September 2019
Department of Computer Science & Engineering
United International University, Bangladesh

STANDARDIZED TEST SCORES

GRE: Total **303** (Quantitative: 157, Verbal: 146 & Analytical: 3.5)
IELTS: Overall **7.0** (Listening: 8.0, Reading: 7.0, Writing: 6.5 & Speaking: 6.5)

AWARDS AND ACHIEVEMENTS

University Gold Medal Awarded by the President of Bangladesh
Best Student Award Awarded by the Vice-chancellor of RUET

REPRESENTATIVE PUBLICATIONS

Journals

1. M. E. Arafat, M. W. Ahmad, **S. M. Shovan**, A. Dehzangi, S. R. Dipta, M. A. M. Hasan, G. Taherzadeh, S. Shatabda, and A. Sharma, "Accurately Predicting Glutarylation Sites Using Sequential Bi-Peptide-Based Evolutionary Features," *Genes*, vol. 11, no. 9, p. 1023, Aug. 2020, doi: 10.3390/genes11091023.

2. S. Sabit Ahmed, A. Afrida Rahman, M. A. M. Hasan, S. Ahmad, and **S. M. Shovan**, “Computational Identification of Multiple Lysine PTM Sites by Analyzing the Instance Hardness and Feature Importance,” *Scientific Reports*, Unpublished.

Conferences

3. **S. M. Shovan**, M. A. M. Hasan and M. R. Islam, "Accurate Prediction of Formylation PTM Site using Multiple Feature Fusion with LightGBM Resolving Data Imbalance Issue," *2020 23rd International Conference on Computer and Information Technology (ICCIT)*, 2020, pp. 1-6, doi: 10.1109/ICCIT51783.2020.9392678.
4. **S. M. Shovan** and M. A. M. Hasan, "Prediction of Lysine Glycation PTM site in Protein using Peptide Sequence Evolution based Features," *2019 International Conference on Electrical, Computer and Communication Engineering (ECCE)*, Cox'sBazar, Bangladesh, 2019, pp. 1-5, doi: 10.1109/ECACE.2019.8679407.
5. Md Wakil Ahmad, Md Easin Arafat, **S. M. Shovan**, Mahtab Uddin, Omar Faruq Osama, Swakkhar Shatabda, "Enhanced Prediction of Lysine Propionylation Sites using Bi-peptide Evolutionary Features Resolving Data Imbalance," *2020 IEEE Region 10 Symposium (TENSYP)*, Dhaka, Bangladesh, 2020, pp. 1668-1671, doi: 10.1109/TENSYP50017.2020.9230466.
6. M. R. Islam, A. Matin, M. Nahiduzzaman, M. S. Siddiquee, F. M. Hasnain, **S. M. Shovan**, and T. Hasan, “A Novel Deep Convolutional Neural Network Model for Detection of Parkinson Disease by Analysing the Spiral Drawing,” *Algorithms for Intelligent Systems*, pp. 155–165, 2021.

Under Review

7. Title: Most Dominant Metabolomic Biomarkers Identification for Lung Cancer.
8. Title: Multi-class Cancer Classification and Biomarker Identification from RNA-Seq Gene Expression Data.
9. Title: Introducing An Optimized Sorting Algorithm Ensuring Lower Runtime and Memory Usage Than Traditional Natural Merge Algorithms.

In Progress

10. University Grant Commission (UGC), Bangladesh funded research project on "Proteomics".

REFERENCES

Dr. Md. Al Mehedi Hasan (Undergrad thesis supervisor).	Swakkhar Shatabda (co-author and former colleague)
Professor, Dept. of Computer Science and Engineering.	Associate Professor, Dept. of Computer Science and Engineering.
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