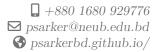
Pranta Sarker



Objective

Significant years of healthy professional engagement with teaching and qualification accelerated my vision to build a career as an academician by committing my life to research and conveying knowledge.

Expertise

O Programming Problem Solving

Solved over 600 programming problems on several online judges. Profile: https://www.stopstalk.com/user/profile/prantacse14

- Programming Languages
 - C, C++, Java, PHP, Python, and MATLAB
- Typesetting

LaTeX

Language Proficiency

International English Language Testing System (IELTS)
Overall band score: 6.5 (Listening: 6.5, Reading: 6.5, Speaking: 6.5, Writing: 6.0)

Education

- 2014–2018 **BSc.(Engineering) in Computer Science**, North East University Bangladesh, Sylhet, Bangladesh. CGPA: 3.75/4.00
 - BSc. Thesis: "A Faster Decoding Technique for Huffman Codes Using Adjacent Distance Array," under supervision of Dr. Ahsan Habib
- 2010–2012 **Higher Secondary Certificate**, Jalalabad Cantonment Public School and College, Sylhet, Bangladesh. GPA: 5.00/5.00
- 2005–2010 **School Secondary Certificate**, Sylhet Govt. Pilot High School, Sylhet, Bangladesh. GPA: 5.00/5.00

Research Interest

 Security and privacy, blockchain, trust and reputation management, artificial intelligence, machine learning, software engineering, data structure, and algorithm.

Publications and dissertations Journal Article(s)

- o Pranta Sarker and Mir Lutfur Rahman, "A Huffman Based Short Message Service (SMS) Compression Technique Using Adjacent Distance Array," in International Journal of Information and Communication Technology. (The article has been accepted and entering Publication Schedule in the Journal.)
- O Pranta Sarker and Mir Lutfur Rahman, "Method of Adjacent Distance Array Outperforms Conventional Huffman Codes to Decode Bengali Transliterated Text Swiftly," in International Journal of Computing and Digital Systems, vol. 11, no. 1, pp. 595-608, January, 2022. https://journal.uob.edu.bh/ handle/123456789/4498

Conference Proceedings

- o Pranta Sarker and Mir Lutfur Rahman, "Introduction to Adjacent Distance Array with Huffman Principle: A New Encoding and Decoding Technique for Transliteration Based Bengali Text Compression," Progress in Advanced Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing, vol 1299. Springer, Singapore, 2021, pp. 543-555. https: //doi.org/10.1007/978-981-33-4299-6_45
- o Mir Lutfur Rahman, **Pranta Sarker**, and Ahsan Habib, "A Faster Decoding Technique for Huffman Codes Using Adjacent Distance Array," Proceedings of International Joint Conference on Computational Intelligence, Algorithms for Intelligent Systems. Springer, Singapore, 2020, pp. 309-316. https: //doi.org/10.1007/978-981-15-3607-6_25

Teaching Experience

2018—Present Lecturer, Department of Computer Science and Engineering, North East University Bangladesh, Sylhet, Bangladesh.

Association

2022—Present **TPC reviewer**, International Journal of Computing and Digital Systems, University of Bahrain Scientific Journals. https://journal.uob.edu.bh/handle/ 123456789/12?id=about

References

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