

## **CV:**

Khan Md Hasib

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Education:

**Doctor of Philosophy (PhD) in Computer Science and Software Engineering (Ongoing)**

The University of Western Australia

**March 2022**

- **Master of Science (M.Sc.) in Computer Science and Engineering**

**Brac University**

Period of Study: 10 October 2020 - 08 March 2022

Academic Advisor: [Amitabha Chakrabarty, PhD](#)

Thesis Supervisor: [Md. Golam Rabiul Alam, PhD](#)

**June 2018**

- **Bachelor of Science (B.Sc.) in Computer Science and Engineering**

**Ahsanullah University of Science & Technology (AUST)**

Period of Study: 26 April, 2014 - 03 June, 2018

Academic Advisor: [Ms. Qamrun Nahar Eity](#)

Thesis Supervisor: [Faisal Muhammad Shah](#)

## **Publications:**

### **List of Publications**

#### ***Journal***

1. **Hasib, K.M.**, Mridha, M.F., Mehedi, M.H.K., Faruk, K.O., Muna, R.K., Iqbal, S., Islam, M.R. and Watanobe, Y., "[DCNN: Deep Convolutional Neural Network With XAI for Efficient Detection of Specific Language Impairment in Children](#)," in *IEEE Access*, vol. 12, pp. 101660-101678, 2024, doi: 10.1109/ACCESS.2024.3431933. [Q1 Journal] [Impact Factor: 3.4].
2. Mehedi, M.H.K., Nawer, N., Ahmed, S., Khan, M.S.I., **Hasib, K.M.**, Mridha, M.F., Alam, M.G.R. and Nguyen, T.T., 2024. "[PLD-Det: plant leaf disease detection in real time using an end-to-end neural network approach based on improved YOLOv7](#)". *Neural Computing and Applications* (2024). <https://doi.org/10.1007/s00521-024-10409-6>. [Q1 Journal] [Impact Factor: 4.5].

3. Rahman, M.A., Masum, M.I., **Hasib, K.M.**, Mridha, M.F., Alfarhood, S., Safran, M. and Che, D., "[GliomaCNN: An Effective Lightweight CNN Model in Assessment of Classifying Brain Tumor from Magnetic Resonance Images Using Explainable AI](#)," *CMES-Computer Modeling in Engineering & Sciences* 140, no. 3 (2024). [Q3 Journal] [Impact Factor: 2.2].
4. Chowdhury, A.K., Sujon, S.R., Shafi, M.S.S., Ahmmad, T., Ahmed, S., **Hasib, K.M.** and Shah, F.M., "[Harnessing large language models over transformer models for detecting Bengali depressive social media text: A comprehensive study](#)." *Natural Language Processing Journal* 7 (2024): 100075.
5. **K. M. Hasib**, M. R. Islam, S. Sakib, M. A. Akbar, I. Razzak and M. S. Alam, [Depression Detection From Social Networks Data Based on Machine Learning and Deep Learning Techniques: An Interrogative Survey](#), in *IEEE Transactions on Computational Social Systems*, vol. 10, no. 4, pp. 1568-1586, Aug. 2023, doi: 10.1109/TCSS.2023.3263128. [Q1 Journal ] [Impact Factor: 4.5].
6. **Hasib, K.M.**, Towhid, N.A., Faruk, K.O., Al Mahmud, J. and Mridha, M.F., 2023. [Strategies for enhancing the performance of news article classification in Bangla: Handling imbalance and interpretation](#). *Engineering Applications of Artificial Intelligence*, 125, p.106688, doi: <https://doi.org/10.1016/j.engappai.2023.106688>. [Q1 Journal] [Impact Factor: 7.5].
7. Lima KA, **Md Hasib K**, Azam S, Karim A, Montaha S, Noori SRH, Jonkman M., (2023). [A novel Data and Model Centric artificial intelligence based approach in developing high-performance Named Entity Recognition for Bengali Language](#). *PLOS ONE* 18(9): e0287818. <https://doi.org/10.1371/journal.pone.0287818>. [Q1 Journal] [Impact Factor: 2.9]
8. **Hasib, K.M.**, Azam, S., Karim, A., Marouf, A.A., Shamrat, F.J.M., Montaha, S., Yeo, K.C., Jonkman, M., Alhajj, R. and Rokne, J.G., (2023). [MCNN-LSTM: Combining CNN and LSTM to Classify Multi-Class Text in Imbalanced News Data](#). *IEEE Access*, vol. 11, pp. 93048-93063, 2023, doi: 10.1109/ACCESS.2023.3309697. [Q1 Journal] [Impact Factor: 3.4]
9. M. S. H. Shovon, M. F. Mridha, **K. M. Hasib**, S. Alfarhood, M. Safran and D. Che, "[Addressing Uncertainty in Imbalanced Histopathology Image Classification of HER2 Breast Cancer: An Interpretable Ensemble Approach With Threshold Filtered Single Instance Evaluation \(SIE\)](#)," in *IEEE Access*, vol. 11, pp. 122238-122251, 2023, doi: 10.1109/ACCESS.2023.3327898. [Q1 Journal] [Impact Factor: 3.4]
10. Shamrat, F.J.M., Akter, S., Azam, S., Karim, A., Ghosh, P., Tasnim, Z., **Hasib, K.M.**, De Boer, F. and Ahmed, K., 2023. [AlzheimerNet: An Effective Deep Learning Based Proposition for Alzheimer's Disease Stages Classification From Functional Brain Changes in Magnetic Resonance Images](#). *IEEE Access*, 11, pp.16376-16395. [Q1 Journal ] [Impact Factor: 3.4].
11. **Hasib, K.M.**, Tanzim, A., Shin, J., Faruk, K.O., Al Mahmud, J. and Mridha, M.F., 2022. [BMNet-5: a novel approach of neural network to classify the genre of Bengali music based on audio features](#). *IEEE Access*, 10, pp.108545-108563. [Q1 Journal ] [Impact Factor: 3.4].
12. Bhuiyan, H., Ara, J., **Hasib, K.M.** et al. **Crash severity analysis and risk factors identification based on an alternate data source: a case study of developing country**. *Sci Rep* 12, 21243 (2022). <https://doi.org/10.1038/s41598-022-25361-5>. [Q1 Journal] [Impact Factor: 3.8].

13. Islam, M.T., **Hasib, K.M.**, Rahman, M.M. et al. [Convolutional Auto-Encoder and Independent Component Analysis Based Automatic Place Recognition for Moving Robot in Invariant Season Condition](https://doi.org/10.1007/s44230-022-00013-z). *Hum-Cent Intell Syst* (2022). <https://doi.org/10.1007/s44230-022-00013-z>.
14. J. A. Mahmud, B. C. Das, J. Shin, **K. M. Hasib**, R. Sadik and M. F. Mridha, "[3D Gesture Recognition and Adaptation for Human–Robot Interaction](#)," in IEEE Access, vol. 10, pp. 116485-116513, 2022, doi: 10.1109/ACCESS.2022.3218679. [Q1 Journal] [Impact Factor: 3.4].
15. Montaha, S., Azam, S., Rafid, A.K.M.R.H., Hasan, M.Z., Karim, A., **Hasib, K.M.**, Patel, S.K., Jonkman and Mannan, Z.I., (2022). [MNet-10: A robust shallow CNN model performing ablation study on medical images assessing the effectiveness of applying optimal data augmentation technique](#). *Frontiers in Medicine*, 9, p.2346. [https://doi: 10.3389/fmed.2022.924979](https://doi.org/10.3389/fmed.2022.924979). [ Q1 Journal ] [Impact Factor: 3.1].
16. Ghosh, P., Azam, S., Quadir, R., Karim, A., Shamrat, F.M., Kumar Bhowmik, S., Jonkman, M., **Hasib, K.M.** and Ahmed, K., (2022). [SkinNet–16: A Deep Learning Approach to Identify Benign and Malignant Skin Lesions](#). *Frontiers in Oncology*, 12, p.3889. [https://doi: 10.3389/fonc.2022.931141](https://doi.org/10.3389/fonc.2022.931141). [ Q2 Journal ] [Impact Factor: 3.5].
17. **Hasib, K. M.**, Towhid, N. A., & Islam, M. R. (2021). [HSDLM: A Hybrid Sampling With Deep Learning Method for Imbalanced Data Classification](#). *International Journal of Cloud Applications and Computing (IJCAC)*, 11(4), 1-13. <http://doi.org/10.4018/IJCAC.2021100101>. [ Q2 Journal ] [Impact Factor: 4.9].
18. M. H. Hassan, M. Raihan, M. M. Hassan, R. N. Smrity, L. Akter, M. M. Rahman, S. Zaman, **K. M. Hasib**, N. Jahan, J. Farhana, S. Mollick. (2021). [Efficient Prediction of Water Quality Index \(WQI\) Using Machine Learning Algorithm](#). *Hum-Centric Intell Syst*, 1(3-4), 86–97. <https://doi.org/10.2991/hcis.k.211203.001>.
19. **Hasib, K. M.**, Iqbal, M. S., Shah, F. M., Al Mahmud, J., Popel, M. H., Showrov, M. I. H., Ahmed, S. & Rahman, O. (2020). [A Survey of Methods for Managing the Classification and Solution of Data Imbalance Problem](#). *Journal of Computer Science*, 16(11), 1546-1557. <https://doi.org/10.3844/jcssp.2020.1546.1557>. [ Q4 Journal, Scopus Indexed ]
20. Ashek-Al-Aziz, M., Mahmud, S., Islam, M., Mahmud, J.A. and **Hasib, K.M.**, 2020. [A Comparative Study of AHP and Fuzzy AHP Method for Inconsistent Data](#). *International Journal of Sciences: Basic and Applied Research (IJSBAR)*. 54 (4). 16 - 37. [ Scopus Indexed ]

### Book Chapter

1. M.N.R., Salsabil, M.S., **Hasib, K.M.**, Islam, M.R., Alam, M.S., Sanin, C. and Szczerbicki, E. (2024) [News that Moves the Market: DSEX-News Dataset for Forecasting DSE Using BERT](#). In: Nguyen, N.T., et al. *Recent Challenges in Intelligent Information and Database Systems. ACIIDS 2024. Communications in Computer and Information Science*, vol 2145. Springer, Singapore. [https://doi.org/10.1007/978-981-97-5934-7\\_19](https://doi.org/10.1007/978-981-97-5934-7_19). [CORE B Rank Conference]
2. **Md. Hasib, K.**, Oli Ullah, M., Imran Nazir, M., Akter, A., Saifur Rahman, M. (2024). [ICDP: An Improved Convolutional Neural Network Model to Detect Pneumonia from Chest X-Ray](#)

- Images.** In: Arefin, M.S., Kaiser, M.S., Bhuiyan, T., Dey, N., Mahmud, M. (eds) *Proceedings of the 2nd International Conference on Big Data, IoT and Machine Learning. BIM 2023. Lecture Notes in Networks and Systems*, vol 867. Springer, Singapore. [https://doi.org/10.1007/978-981-99-8937-9\\_32](https://doi.org/10.1007/978-981-99-8937-9_32).
3. Kirabo, C., Murindanyi, S., Kirabo, N.P., **Hasib, K.M.**, Marvin, G. (2024). **SHapley Additive exPlanations for Machine Emotion Intelligence in CNNs**. In: Tiwari, R., Saraswat, M., Pavone, M. (eds) *Proceedings of International Conference on Computational Intelligence. ICCI 2023. Algorithms for Intelligent Systems*. Springer, Singapore. [https://doi.org/10.1007/978-981-97-3526-6\\_50](https://doi.org/10.1007/978-981-97-3526-6_50).
  4. Jani, R., Shanto, M.S.I., Das, B.C., **Hasib, K.M.** (2023). **Machine Learning-Based Social Media News Popularity Prediction**. In: Abraham, A., Hong, TP., Kotecha, K., Ma, K., Manghirmalani Mishra, P., Gandhi, N. (eds) *Hybrid Intelligent Systems. HIS 2022. Lecture Notes in Networks and Systems*, vol 647. Springer, Cham. [https://doi.org/10.1007/978-3-031-27409-1\\_65](https://doi.org/10.1007/978-3-031-27409-1_65). **[CORE C Rank Conference]**
  5. **Hasib, K.M.**, Showrov, M.I.H., Al Mahmud, J., Mithu, K. (2022). **Imbalanced Data Classification Using Hybrid Under-Sampling with Cost-Sensitive Learning Method**. In: Patgiri, R., Bandyopadhyay, S., Borah, M.D., Emilia Balas, V. (eds) *Edge Analytics. Lecture Notes in Electrical Engineering*, vol 869. Springer, Singapore. [https://doi.org/10.1007/978-981-19-0019-8\\_32](https://doi.org/10.1007/978-981-19-0019-8_32).
  6. Javed Mehedi Shamrat F.M., Ranjan R., **Hasib K.M.**, Yadav A., Siddique A.H. (2022) **Performance Evaluation Among ID3, C4.5, and CART Decision Tree Algorithm**. In: Ranganathan G., Bestak R., Palanisamy R., Rocha Á. (eds) *Pervasive Computing and Social Networking. Lecture Notes in Networks and Systems*, vol 317. Springer, Singapore. [https://doi.org/10.1007/978-981-16-5640-8\\_11](https://doi.org/10.1007/978-981-16-5640-8_11).
  7. Sakib S., Yasmin N., Tanzeem A.K., Shorna F., **Md. Hasib K.**, Alam S.B. (2022) **Breast Cancer Detection and Classification: A Comparative Analysis Using Machine Learning Algorithms**. In: Bindhu V., Tavares J.M.R.S., Du KL. (eds) *Proceedings of Third International Conference on Communication, Computing and Electronics Systems. Lecture Notes in Electrical Engineering*, vol 844. Springer, Singapore. [https://doi.org/10.1007/978-981-16-8862-1\\_46](https://doi.org/10.1007/978-981-16-8862-1_46).
  8. Zobaed, S., Rabby, F., Hossain, I., Hossain, E., Hasan, S., Karim, A., & **Hasib, K.M.** (2021). **DeepFakes: Detecting Forged and Synthetic Media Content Using Machine Learning**. In: Montasari R., Jahankhani H. (eds) *Artificial Intelligence in Cyber Security: Impact and Implications. Advanced Sciences and Technologies for Security Applications*. Springer, Cham. [https://doi.org/10.1007/978-3-030-88040-8\\_7](https://doi.org/10.1007/978-3-030-88040-8_7).

### **Conference Proceedings**

1. **K. M. Hasib**, M. A. Rahman, M. I. Masum, F. D. Boer, S. Azam and A. Karim, "**Bengali News Abstractive Summarization: T5 Transformer and Hybrid Approach**," 2023 *International Conference on Digital Image Computing: Techniques and Applications (DICTA)*, Port Macquarie, Australia, 2023, pp. 539-545, doi: 10.1109/DICTA60407.2023.00080. **[Australasian Rank B Conference]**.
2. Md Humaion Kabir Mehedi, Irfana Arafin, **Khan Md Hasib**, Farhin Rahman, Md. Mustakin Alam, Rufaida Tasin, and Annajiat Alim Rasel. 2023. **Early Autism Disorder Detection**

[Through Visualizing Eye-Tracking Patterns Using Compact Convolutional Transformers](#). In *Proceedings of the 2023 9th International Conference on Computer Technology Applications (ICCTA '23)*. Association for Computing Machinery, New York, NY, USA, 109–114. <https://doi.org/10.1145/3605423.3605429>.

3. F. T. J. Faria, M. Bin Moin, A. Al Wase, M. R. Sani, **K. M. Hasib** and M. S. Alam, "[Classification of Potato Disease with Digital Image Processing Technique: A Hybrid Deep Learning Framework](#)," 2023 IEEE 13th Annual Computing and Communication Workshop and Conference (CCWC), Las Vegas, NV, USA, 2023, pp. 0820-0826, doi: 10.1109/CCWC57344.2023.10099162.
4. M. N. R. Khan, O. Al Tanim, M. S. Salsabil, S. M. R. Reza, **K. M. Hasib** and M. S. Alam, "[A Multi-modal Deep Learning Approach for Predicting Dhaka Stock Exchange](#)," 2023 IEEE 13th Annual Computing and Communication Workshop and Conference (CCWC), Las Vegas, NV, USA, 2023, pp. 0879-0885, doi: 10.1109/CCWC57344.2023.10099255.
5. N. Tasnia, M. Islam, M. S. Rony, N. Tanzim, **K. M. Hasib** and M. S. Alam, "[An Overview of Bengali Speech Recognition: Methods, Challenges, and Future Direction](#)," 2023 IEEE 13th Annual Computing and Communication Workshop and Conference (CCWC), Las Vegas, NV, USA, 2023, pp. 0873-0878, doi: 10.1109/CCWC57344.2023.10099382.
6. Dhakal, S., Azam, S., **Hasib, K.M.**, Karim, A., Jonkman, M. and Al Haque, A.F., 2023. [Dementia Prediction Using Machine Learning](#). *Procedia Computer Science*, 219, pp.1297-1308.
7. **K. M. Hasib**, M. A. Rahman, M. Tahsin, A. Karim, S. Azam and F. DeBoer, "[LFR Waiter: Arduino Based Android Application Controlled Waiter Robot](#)," *TENCON 2022 - 2022 IEEE Region 10 Conference (TENCON)*, 2022, pp. 1-6, doi: 10.1109/TENCON55691.2022.9977936. [IEEE, Scopus Indexed] [CORE C Rank Conference].
8. **K. M. Hasib**, S. Sakib, J. A. Mahmud, K. Mithu, M. S. Rahman and M. S. Alam, "[COVID-19 Prediction based on Infected Cases and Deaths of Bangladesh using Deep Transfer Learning](#)," 2022 IEEE World AI IoT Congress (Allot), 2022, pp. 296-302, doi: 10.1109/Allot54504.2022.9817160.
9. **K. M. Hasib**, F. Rahman, R. Hasnat and M. G. R. Alam, "[A Machine Learning and Explainable AI Approach for Predicting Secondary School Student Performance](#)," 2022 IEEE 12th Annual Computing and Communication Workshop and Conference (CCWC), 2022, pp. 0399-0405, doi: 10.1109/CCWC54503.2022.9720806.
10. M. N. R. Khan, S. M. R. Reza, O. Al Tanim, M. S. Salsabil, **K. M. Hasib** and M. S. Alam, "[A Hybrid Method based on Machine Learning to Predict the Stock Prices in Bangladesh](#)," 2022 IEEE 13th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2022, pp. 0067-0073, doi: 10.1109/IEMCON56893.2022.9946610.
11. S. Jabin, M. S. Suhi, M. F. Arefin and **K. M. Hasib**, "[Comparison of Different Sentiment Analysis Techniques for Bangla Reviews](#)," 2022 IEEE 10th Region 10 Humanitarian Technology Conference (R10-HTC), 2022, pp. 288-293, doi: 10.1109/R10-HTC54060.2022.9929495.

12. **K. M. Hasib**, N. A. Towhid and M. G. R. Alam, "[Online Review based Sentiment Classification on Bangladesh Airline Service using Supervised Learning](#)," 2021 5th International Conference on Electrical Engineering and Information & Communication Technology (ICEEICT), 2021, pp. 1-6, doi: 10.1109/ICEEICT53905.2021.9667818.
13. **K. M. Hasib**, N. A. Towhid and M. G. R. Alam, "[Topic Modeling and Sentiment Analysis using Online Reviews for Bangladesh Airlines](#)," 2021 IEEE 12th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2021, pp. 0428-0434, doi: 10.1109/IEMCON53756.2021.9623155.
14. S. Sakib, **K. M. Hasib**, I. K. Tasawar, A. K. Tanzeem, M. F. Arefin, S. Islam, M. S. Alam, "[A Data-Driven Hybrid Optimization Based Deep Network Model for Short-Term Residential Load Forecasting](#)," 2021 IEEE 12th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2021, pp. 0187-0193, doi: 10.1109/IEMCON53756.2021.9623080.
15. F. S. Shishir, **K. M. Hasib**, S. Sakib, S. Maitra and F. M. Shah, "[De Novo Drug Property Prediction using Graph Convolutional Neural Networks](#)," 2021 IEEE 9th Region 10 Humanitarian Technology Conference (R10-HTC), 2021, pp. 01-06, doi: 10.1109/R10-HTC53172.2021.9641611.
16. J. A. Mahmud, **K. M. Hasib**, S. Sakib and M. I. Hossain Showrov, "[Impact of Pedal Powered Vehicles on Average Traffic Speed in Dhaka City: A Cross-sectional Study Based on Road Class and Timestamp](#)," 2021 IEEE 9th Region 10 Humanitarian Technology Conference (R10-HTC), 2021, pp. 01-06, doi: 10.1109/R10-HTC53172.2021.9641636.
17. S. Jahan, M. R. Islam, **K. M. Hasib**, U. Naseem and M. S. Islam, "[Active Learning with an Adaptive Classifier for Inaccessible Big Data Analysis](#)," 2021 International Joint Conference on Neural Networks (IJCNN), 2021, pp. 1-7, doi: 10.1109/IJCNN52387.2021.9534046. [IEEE, Scopus Indexed] [CORE A Rank Conference].
18. P. Ghosh, S. Azam, **K. M. Hasib**, A. Karim, M. Jonkman and A. Anwar, "[A Performance Based Study on Deep Learning Algorithms in the Effective Prediction of Breast Cancer](#)," 2021 International Joint Conference on Neural Networks (IJCNN), 2021, pp. 1-8, doi: 10.1109/IJCNN52387.2021.9534293. [IEEE, Scopus Indexed] [CORE A Rank Conference].
19. M. I. Hossain Showrov, V. Kumar Dubey, **K. M. Hasib** and M. A. Shameem, "[News Classification from Microblogging Dataset using Supervised Learning](#)," 2021 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), Greater Noida, India, 2021, pp. 53-57, doi: 10.1109/ICCCIS51004.2021.9397074.
20. **K. M. Hasib**, M. A. Habib, N. A. Towhid and M. I. H. Showrov, "[A Novel Deep Learning based Sentiment Analysis of Twitter Data for US Airline Service](#)," 2021 International Conference on Information and Communication Technology for Sustainable Development (ICT4SD), Dhaka, Bangladesh, 2021, pp. 450-455, doi: 10.1109/ICT4SD50815.2021.9396879.
21. S. Maitra, T. Hossain, **K. M. Hasib** and F. S. Shishir, "[Graph Theory for Dimensionality Reduction: A Case Study to Prognosticate Parkinson's](#)," 2020 11th IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver, BC, Canada, 2020, pp. 0134-0140, doi: 10.1109/IEMCON51383.2020.9284926.



22. Karim, Asif and Ghosh, Pronab and Anjum, Atqiya Abida and Junayed, Masum Shah and Md, Zahid Hasan and **Hasib, Khan Md.** and Bin Emran, Al Nahian, [A Comparative Study of Different Deep Learning Model for Recognition of Handwriting Digits](#) (January 19, 2021). *ICICNIS 2020*, Available at SSRN: <https://ssrn.com/abstract=3769231> or <http://dx.doi.org/10.2139/ssrn.3769231>.
23. **K. M. Hasib**, M. I. H. Showrov and A. Das, ["Accidental Prone Area Detection in Bangladesh using Machine Learning Model,"](#) 2020 3rd International Conference on Computer and Informatics Engineering (IC2IE), Yogyakarta, Indonesia, 2020, pp. 58-62, doi: 10.1109/IC2IE50715.2020.9274581.
24. M. H. Popel, **K. M. Hasib**, S. Ahsan Habib and F. Muhammad Shah, ["A Hybrid Under-Sampling Method \(HUSBoost\) to Classify Imbalanced Data,"](#) 2018 21st International Conference of Computer and Information Technology (ICCIT), Dhaka, Bangladesh, 2018, pp. 1-7, doi: 10.1109/ICCITECHN.2018.8631915.

#### **Dataset Published**

1. **BANGLADESH AIRLINES SENTIMENT REVIEW DATASET** - <https://iee-dataport.org/documents/bangladesh-airlines-sentiment-review-dataset> doi:10.21227/6fg6-s460.
2. **BANGLADESH ROAD ACCIDENT DATASET** - <https://iee-dataport.org/documents/bangladesh-road-accident-dataset> doi: <https://dx.doi.org/10.21227/efjr-n994>.
3. **BANGLADESHI CHILDREN LANGUAGE IMPAIRMENT DATASET** - <https://data.mendeley.com/datasets/4tv4pvs3hh?fbclid=IwAR3v3lon5x8ap9kAv5AxiqLffGgnZhr85HqIVOq4LlwyYihJ2e88JjA3v2w>

#### **Academic Honors**

- 
- Merit Based Scholarship Semester wise in Brac University, 2021
- Dhaka Educational General Scholarship for excellence in the HSC examination, 2013
- Dhaka Educational Board Scholarship for excellence in the SSC examination, 2011
- [Scholars Forum General Scholarship for excellence in the class 9 scholars examination, 2009](#)
- Dhaka Educational General Scholarship for excellence in the class 8 examination, 2008

#### **Awards**

- Achieved Highest Distinction Award in Brac University for highest CGPA, 2022.
- [Champion at "Software Mobile Application Category" in Intra Aust Technomania, 2016.](#)
- 2nd Runners Up at "Dhaka Division National Language Competitions" organised by **Prothom Alo**, 2008.
- [Best Presenter Award at ICCIT-2018 in United International University, 2018.](#)

- **Best Paper Award on Machine Intelligence Session at ICCIT-2018 in United International University, 2018.**
- **Best Paper Award on Data Mining and Data Analytics and Big Data Session at IEMCON-2020 in Vancouver, Canada, 2020.**
- **Best Paper Award on Signal Detection and Processing Session at IEMCON-2021 in Vancouver, Canada, 2020.**
- **Best Presenter Award at CCWC-2022 in Las Vegas, USA, 2022.**
- **Best Paper Award on Artificial Intelligence and Machine Learning Session at CCWC-2022 in Las Vegas, USA, 2022.**
- **Best Paper Award in Human-Centric Intelligent Systems Journal, Springer Publisher, 2022.**