Md Shamim Hossain, Ph.D.

Date of Birth: 1982–10-21, Bangladesh

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Education

2017 – 2025 (Awarded)	**Ph.D. in Computer Science and Technology, University of Science and Technology of China (USTC), Hefei, China**.
2006 – 2007 (Held in 2009)	**M.Sc. in Computer Science and Engineering, Islamic University, Kushtia, Bangladesh.** Result: *A (3.81 out of 4), First position in Class*.
2002 – 2006 (Held in 2008)	**B.Sc. in Computer Science and Engineering, Islamic University, Kushtia, Bangladesh.** Result: *74.16%, First Class, First position in Faculty*..

Employment History

2020 – Present	**Associate Professor**, Computer Science and Engineering, Islamic University, Bangladesh.
2013 –2020	**Assistant Professor**, Computer Science and Engineering, Islamic University, Bangladesh.
2010 – 2013	**Lecturer**, Computer Science and Engineering, Islamic University, Bangladesh.

Selected Recent Publications (2023 - 2025)

Published

1. A. H. Babar, M. S. Hossain, W. Tong, N. Gu, and Z. Huang, "Learning enriched channel interactions for image dehazing and beyond," ***Displays***, p. 103 212, 2025. **(Q2, IF = 3.4)**.

2. D. Bala, M. S. Hossain (**Joint 1st Author**), M. A. Hossain, *et al.*, "Monkeynet: A robust deep convolutional neural network for monkeypox disease detection and classification," ***Neural Networks***, vol. 161, pp. 757–775, 2023. **(Q1, IF = 6.3)**.

3. M. S. Hossain, S. Aktar, A. H. Babar, *et al.*, "Cross-multi-modal seamless training for image captioning," ***Expert Systems with Applications***, vol. 304, p. 130 653, 2025. **(Q1, IF = 7.5)**.

4. M. S. Hossain, S. Aktar, N. Gu, W. Liu, and Z. Huang, "Geoscn: A novel multimodal self-attention to integrate geometric information on spatial-channel network for fine-grained image captioning," ***Expert Systems with Applications***, p. 126 692, 2025. **(Q1, IF = 7.5)**.

5. M. S. Hossain, S. Aktar, M. A. Hossain, N. Gu, and Z. Huang, "Cm-sc: Cross-modal spatial-channel attention network for image captioning," ***Displays***, vol. 87, p. 102 941, 2025. **(Q2, IF = 3.4)**.

6. M. S. Hossain, S. Aktar, W. Liu, N. Gu, and Z. Huang, "Iginet: Integrating geometric information to enhance inter-modal interaction for fine-grained image captioning," ***Multimedia Systems***, vol. 31, no. 1, p. 33, 2025. **(Q1, IF = 3.1)**.

7   M. B. Hossen, Z. Ye, M. S. Hossain, and M. I. Hossain, "Arafnet: An attribute refinement attention fusion network for advanced visual captioning," *Digital Signal Processing*, vol. 162, p. 105 155, 2025, **(Q2, IF = 3.0)**.

8   M. S. Hossain, S. Aktar, M. B. Hossen, M. A. Hossain, N. Gu, and Z. Huang, "Csdnet: Cross-sketch with dual gated attention for fine-grained image captioning network," *Multimedia Tools and Applications*, 2024.

Under review

1   M. S. Hossain, S. Aktar, and Z. Huang, *Cross-feature alignment and fusion in transformer-based image captioning*, **Engineering Applications of Artificial Intelligence**, 2025.

2   M. S. Hossain, X. Liu, S. Aktar, M. Mujahid, and Z. Huang, *LRSC: A low-rank spatial-channel attention-driven transformer for image captioning*, **Information Sciences**, 2025.

3   M. S. Hossain, M. A. Hossain, M. B. Hossen, S. Aktar, N. Gu, and Z. Huang, *GASC: Geometry-aware cross spatial-channel attention network for fine-grained image captioning*, **Neurocomputing**, 2024.

Skills

Languages	English, Chinese (HSK-4 level) and 1 year study and Bangla.
Coding	C, C++, Java, Python, PyTorch, TensorFlow, PHP, MysQL, LATEX.
Misc.	Academic research, teaching, training, consultation.

Project Experience (University of Science and Technology of China)

Project Name	Grant No.	Grant Amount
Anhui Provincial Major Science and Technology Project	202203a05020016	CN¥ 1,000,000
"Pioneer" and "Leading Goose" R&D Program of Zhejiang	2023C01143	CN¥ 1,500,000

Awards and Achievements

2025	**Award**, Neural Networks **Best Paper Award 2025**, Neural Networks, Elsevier.
2017	**Scholarship**, Ph.D. program at the University of Science and Technology of China (USTC), funded by the China Scholarship Council (CSC), China.
2016	**Scholarship**, Chinese Language Program at Anhui Normal University (AHNU), funded by the China Scholarship Council (CSC), China.
2010	**Merit based Award** by University Grants Commission (UGC), Bangladesh.
2004 to 2006	**Merit based Award** by Islamic Islamic University, Bangladesh.

References

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