

# Md Shamim Hossain, Ph.D.

Date of Birth: 1982-10-21, Bangladesh

✉ shamim2@mail.ustc.edu.cn

☎ +86-17889544589

🌐 <https://www.scopus.com/authid/detail.uri?authorId=58636341700>

🌐 [https://iu.ac.bd/index.php/site/dept\\_mainmenu/CSE/30](https://iu.ac.bd/index.php/site/dept_mainmenu/CSE/30)



## 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 1<sup>st</sup> 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, "Geosc: 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.

## 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	CNY 1,000,000
"Pioneer" and "Leading Goose" R&D Program of Zhejiang	2023C01143	CNY 1,500,000

## Awards and Achievements

- 2025 ■ **Award**, Neural Networks **Best Paper Award 2023**, 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

### Dr. Md. Mizanur Rahman

Associate Professor  
 Department of Mathematics  
 Islamic University  
 Kushtia-7003, Bangladesh  
 Phone: +88 01758658004  
 Email: mdmizanur.rahman@math.iu.ac.bd

### Dr. Zhangjin Huang

Associate Professor  
 Dept. of Computer Science and Technology  
 University of Science and Technology of China  
 Hefei-230027, Anhui, China  
 Phone: +86 13966706430  
 Email: zhuang@ustc.edu.cn