Md Salman Shamil

Lecturer, Dept. of ECE, North South University, Dhaka.

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EDUCATION

School of Computing, National University of Singapore — Singapore
Master of Science (Research), Dept. of Computer Science — *2025*

Bangladesh University of Engineering and Technology — Dhaka, Bangladesh
Bachelor of Science, Dept. of Computer Science and Engineering — *2021*

PROFESSIONAL EXPERIENCE

Lecturer — *2025 – Present*
Dept. of ECE, North South University, Dhaka

Teaching Assistant — *2022 – 2024*
School of Computing, National University of Singapore

Lecturer — *2021 – 2022*
Dept. of CSE United International University, Dhaka

RESEARCH INTEREST

Deep Learning, Computer Vision, Video Understanding, AI for Healthcare

PUBLICATIONS

1. **Shamil, M.S.**, Chatterjee, D., Sener, F., Ma, S. and Yao, A., 2024, September. On the utility of 3d hand poses for action recognition. In *ECCV* (pp. 436-454). Cham: Springer Nature Switzerland.

2. Farheen, F., **Shamil, M.S.**, Ibtehaz, N. and Rahman, M.S., 2022. Revisiting segmentation of lung tumors from CT images. *Computers in Biology and Medicine*, p.105385. *[Co-first author]*

3. **Shamil, M.S.**, Farheen, F., Ibtehaz, N., Khan, I.M. and Rahman, M.S., 2021. An Agent-Based Modeling of COVID-19: Validation, Analysis, and Recommendations. *Cognitive Computation*, pp.1-12.

4. **Shamil, M.S.**, Chatterjee, D., Sener, F., Ma, S. and Yao, A., 2024. HandFormer: Utilizing 3D Hand Pose for Egocentric Action Recognition. *EgoVis Workshop@CVPR 2024*. [Extended Abstract & Poster]

5. Farheen, F., **Shamil, M.S.**, Rahman Jony, S.S., Ahmad, Z., Sojib, K.H., Chowdhury, A., Niaz Arifin, S.M., Sania, A. and Rahman, M.S., 2022. An Agent-Based Model for COVID-19 in Bangladesh. *medRxiv, pp.2022-07. [Co-first author]* [Preprint]

AWARDS AND SCHOLARSHIPS

- NUS Research Scholarship (Aug 2022 – Dec 2024)
- NUS SoC Research Incentive Award (Oct 2023)
- BUET Undergraduate Merit and Dean's List Scholarships (2020)
- High-school and university-level prizes in national olympiads (2011–2018)

REFERENCE

Angela Yao, Dean's Chair Associate Professor, National University of Singapore (ayao@comp.nus.edu.sg)

M. Sohel Rahman, Professor, Department of CSE, BUET, Dhaka (msrahman@cse.buet.ac.bd)

Fadime Sener, Research Scientist, Meta Reality Labs, Zurich, Switzerland (sener@cs.uni-bonn.de)