Shayhan Ameen Chowdhury

📍 Assistant Professor, Dept. Of CSE, International Islamic University Chittagong (IIUC), Kumira, Chittagong-4318, Bangladesh
Residence: TAS CASTLE, Khwaja Road, Aminer Dokan, Patari Para, East Shola Shohar, 6 No Ward, Chandgaon, Chattogram

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✉ shayhan.ameen@gmail.com

Born 04 March 1989
Sex: Male | Nationality: Bangladeshi | Marital status: Married

APPLY FOR

Ph.D. in Department Of Computer Science and Engineering

OVERVIEW

Assistant Professor, Computer Vision, Pattern Recognition, Deep learning, Convolutional Neural Networks, Human Computer Interaction, Keras.

WORK EXPERIENCE / APPOINTMENTS

July 2018 - present

Assistant Professor
Department of Computer Science and Engineering, International Islamic University Chittagong (IIUC)

September 2013 – June 2018

Lecturer
Department of Computer Science and Engineering, International Islamic University Chittagong (IIUC)

March 2013 – August 2013 (Spring 2013)

Adjunct Lecturer
Department of Computer Science and Engineering, International Islamic University Chittagong (IIUC)

EDUCATION

2013 – 2017

Master of Science in Computer Science and Engineering
From Department of Computer Science and Engineering (CSE), Chittagong University of Engineering and Technology
• Scored: 3.38/4

2009 – 2012

Bachelor of Science in Computer Science and Engineering
From Department of Computer Science and Engineering (CSE), International Islamic University Chittagong
• Scored: 3.89/4

2004 – 2006

Higher Secondary Certificate (HSC) in Science
Govt. City College, Chittagong
• Scored: 4.6/5

2002 – 2004

Secondary School Certificate in Science
Govt. Muslim High School, Chittagong
• Scored: 4.5/5

LANGUAGE SKILLS

English & Bengali

Speaking: Fluent | Writing: Good

PUBLICATIONS OVERVIEW

Google Scholar

H-index = 6, document= 15, citation = 118 at January 03, 2022

Scopus [ID:57193693482]

H-index = 4, document= 9, citation = 50 at January 03, 2022

14   Mohammad Yasir Farhad, Shahadat Hossain and **Shayhan Ameen Chowdhury**, *Sports-Net18: Various Sports Classification using Transfer Learning,* 2nd International Conference on Sustainable Technologies for Industry 4.0 (STI), pp. 1-4, 2020. **(IEEE)**

13   Suraiya Yasmin and **Shayhan Ameen Chowdhury**, *Facial expression recognition based on multi-radius local gradient binary pattern,* International Journal of Imaging and Robotics, vol. 20, no. 4, pp. 20-30, 2020.

12   **Shayhan Ameen Chowdhury**, Mir Md. Saki Kowsar and Kaushik Deb, *Human detection utilizing adaptive background mixture models and improved histogram of oriented gradients,* ICT Express- Information & Communications Technology Express, Elsevier; Published by the Korean Institute of Communications and Information Sciences (KICS), vol. 4, no. 4, pp. 216-220, 2018.   **(Achieved 19 Citations)**

11   **Shayhan Ameen Chowdhury**, Kaushik Deb, Pranab Kumar Dhar and Mirza A. F. M. Rashidul Hasan, *Detection and tracking of humans based on improved histogram of oriented gradients and kalman filter,* Southeast Asian Journal of Sciences, vol. 5, no. 2, pp. 137-52, 2017.

10   Shahadat Hossain, Mohammad Yasir Farhad and **Shayhan Ameen Chowdhury**, *Sports-Net18: Various Sports Classification using Transfer Learning,* STI 2020: 2nd International Conference on Sustainable Technologies for Industry 4.0 (STI 2020), pp. 1-4, 2020. **(IEEE)**

 9   Umme Santa, Farzana Tazreen and **Shayhan Ameen Chowdhury**, *Bangladeshi hand sign language recognition from video,* 20th International Conference of Computer and Information Technology (ICCIT), pp. 1-4, 2017. **(IEEE) (Achieved 9 Citations)**

 8   Nazmul Arefin, Mahamodul Hassan, Md. Khaliluzzaman and **Shayhan Ameen Chowdhury**, *Bangla handwritten characters recognition by using distance-based segmentation and histogram oriented gradients,* IEEE Region 10 Humanitarian Technology Conference (R10-HTC), pp. 678-681, 2017. **(IEEE)**

 7   Mohammed Shahed, MD. Ahsan Ullah Khan and **Shayhan Ameen Chowdhury**, *Detection and recognition of Bangladeshi road sign based on maximally stable extremal region,* 3rd International Conference on Electrical Information and Communication Technology (EICT), pp. 1-6, 2017. **(IEEE)**

 6   Swarup Kumar Dhar, Md. Mahmudul Hasan and **Shayhan Ameen Chowdhury**, *Human activity recognition based on Gaussian mixture model and directive local binary pattern,* International Conference on Electrical, Computer & Telecommunication Engineering (ICECTE), pp. 1-4, 2016. **(IEEE) (Achieved 6 Citations)**

 5   **Shayhan Ameen Chowdhury**, Mohammed Nasir Uddin, Mir Md. Saki Kowsar and Kaushik Deb, *Occlusion handling and human detection based on Histogram of Oriented Gradients for automatic video surveillance,* International Conference on Innovations in Science, Engineering and Technology (ICISET), pp. 1-4, 2016. **(IEEE) (Achieved 7 Citations)**

 4   Md Azher Uddin and **Shayhan Ameen Chowdhury**, *Hand sign language recognition for Bangla alphabet using Support Vector Machine,* International Conference on Innovations in Science, Engineering and Technology (ICISET), 2016. **(IEEE) (Achieved 39 Citations)**

 3   Md Azher Uddin and **Shayhan Ameen Chowdhury**, *An integrated approach to classify gender and ethnicity,* International Conference on Innovations in Science, Engineering and Technology (ICISET), 2016. **(IEEE)**

 2   **Shayhan Ameen Chowdhury**, Ahmed Imteaj, Bhaskar Ray and Muhammad Estiak Omar, *Depiction of an Interactive Prevarication System During Exigency Situation,* 3rd International Conference on Electrical Engineering and Information Communication Technology (ICEEICT), pp. 1-6, 2016. **(IEEE)**

1   Md Azher Uddin, Joolekha Bibi Joolee and **Shayhan Ameen Chowdhury**, *Bangladeshi vehicle digital license plate recognition for metropolitan cities using support vector machine,* Proc International Conference on Advanced Information and Communication Technology; 2016. **(Achieved 19 Citations)**

BOOK CHAPTER

1   Md. Kalim Amzad Chy, Md. Abdur Rahman, Abdul Kadar Muhammad Masum, **Shayhan Ameen Chowdhury**, Md. Golam Robiul Alam, Md. Shahidul Islam Khan, *Bengali Poem Generation Using Deep Learning Approach,* Intelligent Computing Paradigm and Cutting-edge Technologies. ICICCT 2019. Learning and Analytics in Intelligent Systems, vol 9. (Springer Nature Switzerland AG 2020) (ISBN 978-3-030-38500-2)

PROGRAMMING CONTEST

Contestant

- The ACM Asia Programming Contest 2012 – Dhaka
- IIUC Inter-University Programming Contest – 2011 & positioned 2nd
- CUET Inter-University Programming Contest 2011 & positioned 7th
- IIUC Inter-University Programming Contest – 2011 & positioned 2nd
- BUBT CSE Fiesta 2010 Programming Contest & positioned 32nd
- Daffodil Inter-University Programming Contest 2010 & positioned 38th

Judge

Judge in 11th IIUPC -2014, 12th IIUPC -2015, 13th IIUPC -2017 and 14th IIUPC -2020

HONOURS AND AWARDS

- Best teacher according to Teaching Efficiency Rating (TER)
- B.Sc. Engineering Degree with Distinction (Position 1st)
- Runner-up. (IIUC Inter-University Programming Contest – 2011)
- Paper Reviewer: International Conference on Electrical, Computer and Communication Engineering

LEADERSHIP AND TEAMWORK EXPERIENCE

- Vice-President, Computer Club, International Islamic University Chittagong
- Member Secretary, Conference Webpage Sub-Committee, ICISET-2018
- Convener, Web page Sub-Committee, Science Olympiad - 2018, ICWPSRI -2017 and Techfest - 2017
- Member Secretary, Conference Webpage Sub-Committee, ICISET-2016
- Member of IIUC CSE research cell: 2014 to 2017
- Coach and Judge of Inter University Programming Contest

TEACHING

Current Teaching Affiliation

Dept. of Computer Science / Engineering, International Islamic University Chittagong (IIUC)

Teaching Courses

Discrete Mathematics, Computer Algorithms

Courses Taught

Pattern Recognition and Image Processing, Data Structures, Competitive Programming, Computer Graphics, Basic Graph Theory, Software Project Management

COUNTRIES VISITED

1 (THAILAND)

COMMUNITY SERVICE

Alumni Member, International Islamic University Chittagong,
Duration: 2017 - Present,

RERERENCES

Reference 1 **Dr. Kaushik Deb**

Professor, Department of Computer Science Engineering (CSE),
Ex-Dean, Faculty of Electrical Computer Engineering (ECE),
Chittagong University of Engineering & Technology (CUET).
E-mail: debkaushik99@cuet.ac.bd | Phone: +8801914745508

Reference 2 **Dr. Mohammad Shamsul Arefin**

Professor, Department of Computer Science Engineering (CSE),
Ex-Head, Department of Computer Science Engineering,
Chittagong University of Engineering & Technology (CUET).
E-mail: sarefin@cuet.ac.bd | Phone: +8801716-890204