Ashraful Islam, Ph.D. | CV

Post-Doctoral Research Associate | Design & Data Nest
University of Louisiana at Lafayette (UL Lafayette)
208 James R. Oliver Hall, 301 E Lewis St, Lafayette, LA 70503, USA

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 ashraful.cacs@gmail.com, ashraful.islam1@louisiana.edu
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Research Interests

- Human-Computer Interaction
- Healthcare Informatics
- Digital Health Interventions
- Machine Learning
- Pervasive Computing
- Assistive Technology

Educations

University of Louisiana at Lafayette — **USA**
Ph.D. in Computer Science — *Fall 2022*
Advisor: Dr. Beenish M. Chaudhry, UL Lafayette
Dissertation: A Framework for Developing Relational Agents in Healthcare Contexts

University of Louisiana at Lafayette — **USA**
M.S. in Computer Science — *Fall 2020*
Advisor: Dr. Beenish M. Chaudhry, UL Lafayette
Research/Project: Pervasive Computing Applications for Mental Health and Stress Management in Healthcare Workers

Ahsanullah University of Science and Technology — **Bangladesh**
B.Sc. in Computer Science and Engineering — *Spring 2016*
Advisor: Prof. Dr. Khondaker A. Mamun, UIU
Thesis: A Road to Independent Living With Smart Homes for People with Disabilities

Notre Dame College — **Bangladesh**
Higher Secondary Certificate — *2011*
Group: Science
Board of Intermediate and Secondary Education, Dhaka

Feni Govt. Pilot High School — **Bangladesh**
Secondary School Certificate — *2009*
Group: Science
Board of Intermediate and Secondary Education, Cumilla

Academic Appointments

University of Louisiana at Lafayette — **USA**
Post-Doctoral Research Associate, Design and Data Nest — *Oct 2022–Dec 2022*
Supervisor: Dr. Beenish M. Chaudhry

University of Louisiana at Lafayette — **USA**
Research Assistant, Design and Data Nest — *Jan 2019–Oct 2022*
Supervisor: Dr. Beenish M. Chaudhry

University of Louisiana at Lafayette   **USA**
Graduate Teaching Assistant, School of Computing and Informatics   *Aug 2019–Dec 2022*
Course Taught:

- Data Structure and Software Design in Java

Daffodil International University   **Bangladesh**
Lecturer, Department of Computer Science and Engineering   *Jan 2017–Dec 2018*
Courses Taught:

- Computer Fundamentals
- Programming in C/Java/Python/Assembly
- Programming and Problem Solving
- Database Management System
- Data Structure
- Data Communication
- Simulation and Modeling
- Microprocessors
- Theory of Computing
- Compiler Design

Bangladesh Institute of Science and Technology   **Bangladesh**
Lecturer, Department of Computer Science and Engineering   *May 2016–Dec 2016*
Courses Taught:

- Database Management System
- Compiler Design

United International University   **Bangladesh**
Research Assistant, AIMS Lab   *Oct 2014–May 2016*
Supervisor: Prof. Dr. Khondaker A. Mamun

Publications

Refereed Book Chapters

1. **A. Islam**, B.M. Chaudhry, "Acceptance Evaluation of a COVID-19 Home Health Service Delivery Relational Agent," In: *Lewy, H., Barkan, R. (eds), Pervasive Computing Technologies for Healthcare. PH 2021. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 431. Springer, Cham*, 2022. [Published by PervasiveHealth-2021 Conference]

2. **A. Islam***, M.I. Hossen*, F. Anowar, E. Ahmed, M.M. Rahman, "Generating Cyber Threat Intelligence to Discover Potential Security Threats Using Classification and Topic Modeling", In: *O. Pal, V. Kumar, R. Khan, B. Alam, M. Alam (eds), Cyber Security using Modern Technologies: Artificial Intelligence, Blockchain and Quantum Cryptography. CRC Press, Taylor & Francis Group, USA*, 2022. [*Joint First Authorship] [In Press]

3. **A. Islam**, M.M. Rahman, M.F. Kabir, B.M. Chaudhry, "A Health Service Delivery Relational Agent for the COVID-19 Pandemic", In: *Chandra Kruse L., Seidel S., Hausvik G.I. (eds), The Next Wave of Sociotechnical Design. DESRIST 2021. Lecture Notes in Computer Science (LNCS), vol 12807. Springer, Cham*, 2021. [Published by DESRIST-2021 Conference]

4. B.M. Chaudhry, **A. Islam**, "Design Validation of a Workplace Stress Management Mobile App for Healthcare Workers During COVID-19 and Beyond," In: *Hara, T., Yamaguchi, H. (eds) Mobile and Ubiquitous Systems: Computing, Networking and Services. MobiQuitous 2021. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 419. Springer, Cham*, 2022. [Published by MobiQuitous-2021 Conference]

5. E. Ahmed, **A. Islam**, A.I. Chowdhury, M.M. Rahman, S. Chowdhury, M.I. Hosen, "Robo-friend: Can a Social Robot Empathize with Your Feelings Effectively?", In: *C.R. Panigrahi, B. Pati, B.K. Pattanayak, S. Amic, and K.C. Li (eds.), Progress in Advanced Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing (AISC), vol 1299. Springer, Singapore*, 2021. [Published by ICACIE-2020 Conference]

6. A.I. Chowdhury, F. S. Shishir, **A. Islam**, E. Ahmed, M.M. Rahman, "Artistic Natural Images Generation Using Neural Style Transfer", In: *Hassanien A.E., Bhattacharyya S., Chakrabati S., Bhattacharya A., Dutta S. (eds) Emerging Technologies in Data Mining and Information Security. Advances in Intelligent Systems and Computing (AISC), vol 1286. Springer, Singapore*, 2021. [Published by IEMIS-2020 Conference]

7. M.A. Karim, A. Karim, S. Azam, E. Ahmed, F.D. Boer, **A. Islam**, F.N. Nur, "Cognitive Learning Environment and Classroom Analytics (CLECA): A Method Based on Dynamic Data Mining Techniques", In: *Raj J.S., Iliyasu A.M., Bestak R., Baig Z.A. (eds) Innovative Data Communication Technologies and Application. Lecture Notes on Data Engineering and Communications Technologies, vol 59. Springer, Singapore*, 2021. [Published by ICIDCA-2020 Conference]

8. N. N. Ontika, M. F. Kabir, **A. Islam**, E. Ahmed, M. N. Huda, "A Computational Approach to Author Identification from Bengali Song Lyrics", *Algorithms for Intelligent Systems (AIS), Springer, Singapore, M. S. Uddin and J. C. Bansal (eds.), Proceedings of International Joint Conference on Computational Intelligence*, 2019. [Published by IJCCI-2018 Conference]

Refereed Journal Articles

9. **A. Islam***, B.M. Chaudhry*, "A Mobile Application-Based Relational Agent as a Health Professional for COVID-19 Patients: Design, Approach, and Implications," *International Journal of Environmental Research and Public Health 2022;19, no. 21: 13794. https://doi.org/10.3390/ijerph192113794.* [*Joint 1st Authorship] [Q1, IF 4.614]

10. **A. Islam**, B. Chaudhry, "Design Validation of a Relational Agent by COVID-19 Patients," *JMIR Human Factors, 2022:42740. https://doi.org/10.2196/42740.* [Q2]

11. B. Chaudhry, **A. Islam**, M. Matthieu, "Toward Designs of Workplace Stress Management Mobile Apps for Frontline Health Workers During the COVID-19 Pandemic and Beyond: Design Implications for a Mixed Methods Qualitative Study", *JMIR Formative Research 2022;6(1):e30640.* [Q3]

12. S. Montaha, S. Azam, A.R.H. Rafid, M.Z. Hasan, A. Karim, **A. Islam**, "TD-CNN-LSTM: A Hybrid approach combining CNN and LSTM to classify brain tumor on 3D MRI scans performing ablation study," *IEEE Access 2022;10:60039-60059.* [Q1, IF 3.476]

13. C. Liang, B. Shanmugam, S. Azam, A. Karim, **A. Islam**, M. Zamani, S. Kavianpour, N. B. Idris, "Intrusion Detection System for the Internet of Things Based on Blockchain and Multi-Agent Systems", *Electronics 2020, 9, 1120.* [Q2, IF 2.412)]

14. M. Ashraf, F. Anowar, **A. Islam**, "A Survey on Dimensionality Reduction Techniques for Time-series Data", *Springer Nature Computer Science 2022.* [In Review]

Scientific Magazine Articles

15. **A. Islam**, M. Henninger, B. M. Chaudhry, "COVID-19 Related Stressors in Healthcare Settings", *Healthy Living, Society of Behavioral Medicine, USA, 2020* [`https://www.sbm.org/healthy-living/strategies-to-address-covid-19-related-stressors-in-healthcare-settings`].

16. E. Ahmed, **A. Islam**, F. Anowar. "Modifying Category Icons In Smartphone App Stores For Better Understanding: A User-centric Approach." ACM Interactions 29, no. 4 (2022): Blogs.

17. S.M.R. Islam, N. Halder, **A. Islam**, E. Ahmed, S.R.H. Noori. "Virtual classrooms during Covid-19: understanding their efficacy and acceptance among Bangladeshi students." ACM Interactions 29, no. 4 (2022): 7-9.

Refereed Conference Papers

18. **A. Islam**, B.M. Chaudhry, "Early Usability Evaluation of a Relational Agent for the COVID-19 Pandemic," in the adjunct publication of the *35th Annual ACM Symposium on User Interface Software and Technology Proceedings (UIST '22)*, Oct 2022 OR, USA: ACM.

19. **A. Islam**, B.M. Chaudhry, "Identifying User Personas for Engagement with a COVID-19 Health Service Delivery Relational Agent", in proceedings of *9th International Conference on Human-Agent Interaction (HAI 2021)*, Nov 2021, Japan: ACM.

20. N. Halder, S. R. Islam, M. S. Hosain, E. Ahmed, **A. Islam**, S. R. H. Noori, "Efficacy and Acceptance of Virtual Classrooms During COVID-19: Bangladesh Perspective", *2021 3rd International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA)*, Jun 2021, Turkey: IEEE.

21. **A. Islam**, M.M. Rahman, E. Ahmed, F. Arafat, M.F. Rabby, "Adaptive Feature Selection and Classification of Colon Cancer From Gene Expression Data: an Ensemble Learning Approach", *ACM International Conference on Computing Advancements (ICCA 2020)*, Jan 2020, Bangladesh: ACM.

22. E. Ahmed, **A. Islam**, M. Ashraf, M.I. Khan, A.I. Chowdhury, A. Karim, "An Investigation Into The Level Of Valence Offered By Different Pointing Devices Against Challenging Tasks", *IEEE 2020 International Conference on Advanced Computer Science and Information Systems (ICACSIS)*, Oct 2020, Indonesia: IEEE.

23. E. Ahmed, **A. Islam**, M. Ashraf, A.I. Chowdhury, M.M. Rahman, "Internet of Things (IoT): Vulnerabilities, Security Concerns and Things to Consider", *IEEE 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT)*, Jul 2020, India: IEEE.

24. F. Anowar, M. Ashraf, **A. Islam**, E. Ahmed, A.I. Chowdhury, "A Review on Diabetes Self-management Applications for Android Smartphones: Perspective of Developing Countries", *2020 2nd IEEE International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA)*, Jun 2020, Turkey: IEEE.

25. A.I. Chowdhury, M.M. Shahriar, **A. Islam**, E. Ahmed, A. Karim, M.R. Islam, "An Automated System in ATM Booth Using Face Encoding and Emotion Recognition Process", *2nd International Conference on Image Processing and Machine Vision (IPMV 2020)*, Jul 2020, Thailand: ACM.

26. A.I. Chowdhury, M. Ashraf, **A. Islam**, E. Ahmed, M.S. Jaman, M.M. Rahman, "hActNET: An Improved Neural Network based Method in Recognizing Human Activities", *2020 4th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT)*, Oct 2020, Turkey: IEEE.

27. A. Jose, S. Azam, A. Karim, B. Shanmugam, F. Faisal, **A. Islam**, F.D. Boer, M. Jonkman, "A Framework to Address Security Concerns in Three Layers of IoT", *2020 2nd International Conference on Electrical, Control and Instrumentation Engineering (ICECIE)*, Nov 2020, Malaysia: IEEE.

28. M.M. Rahman, **A. Islam**, M.F. Kabir, M.N. Huda, "An Approach of Handling Verbal Inflections of Bengali Text: Conversion of Sadhu to Cholito Form of Language", *IEEE 22nd International Conference on Computer and Information Technology (ICCIT 2019)*, Dec 2019, Bangladesh: IEEE.

29. M.T. Hoque, **A. Islam**, E. Ahmed, K.A. Mamun, M.N. Huda, "Analyzing Performance of Different Machine Learning Approaches With Doc2vec for Classifying Sentiment of Bengali Natural Language", *IEEE 2nd International Conference on Electrical, Computer and Communication Engineering (ECCE 2019)*, Feb 2019, Bangladesh: IEEE.

30. M.A. Helal, A.I. Chowdhury, **A. Islam**, E. Ahmed, S. Mahmud, S. Hossain, "An Optimization Approach to Improve Classification Performance in Cancer and Diabetes Prediction", *IEEE 2nd International Conference on Electrical, Computer and Communication Engineering 2019 (ECCE 2019)*, Feb 2019, Bangladesh: IEEE.

31. E. Ahmed, M.M. Hasan, M.O. Faruk, M.F. Hossain, M.A. Rahman, **A. Islam**, "Icons For the Mass: An Approach Towards Text Free Smart Interface", *IEEE 1st International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT-2019)*, May 2019, Bangladesh: IEEE.

32. N. Neehal, D.Z. Karim, **A. Islam**, "Cloud-POA: A Cloud-Based Map Only Implementation of PO-MSA on Amazon Multi-node EC2 Hadoop Cluster", *IEEE 20th International Conference on Computer and Information Technology (ICCIT 2017)*, Dec 2017, Bangladesh: IEEE.

33. E. Ahmed, **A. Islam**, F. Sarker, M.N. Huda, K.A. Mamun, "A Road to Independent Living with Smart Homes for People with Disabilities", *IEEE 5th International Conference on Informatics, Electronics and Vision (ICIEV16)*, May 2016, Bangladesh: IEEE.

34. **A. Islam**, E. Ahmed, A.F. Islam, J. Lu, F. Sarkar, K.A. Mamun, "Decoding Human Brain States Using Transcranial Doppler Ultrasonography", *IEEE 2nd International Conference on Electrical Engineering and ICT (iCEEiCT2015)*, May 2015, Bangladesh: IEEE.

35. E. Ahmed, **A. Islam**, L. Lu, K.A. Mamun, "Identification of Cognitive States based on Transcranial Doppler Ultrasonography", *International Conference on Physics in Medicine and Clinical Neuroelectrophysiology (PMCN2015)*, Feb 2015, Bangladesh.

Peer-reviewed Extended Abstracts/Posters

36. **A. Islam**, U. Islam, B.M. Chaudhry, "Designing Sensor-Based System for Monitoring Quality of Pepper Mash Stored in Wooden Barrels", *14th International Conference on Design Science Research in Information Systems and Technology (DESRIST 2019)*, Jun 2019, USA.

37. U. Islam, **A. Islam**, B.M. Chaudhry, "Towards an Integrated Tool for Care Coordination of Alzheimer's Patients in an Assisted Living Facility", *14th International Conference on Design Science Research in Information Systems and Technology (DESRIST 2019)*, Jun 2019, USA.

38. **A. Islam**, F. Anowar, E. Ahmed, K. A. Mamun, "Smart Green Home: An Intelligent Way to Lead a Better Life", *2nd National Conference on Natural Sciences and Technology (NCNST2015)*, April 2015, Bangladesh.

39. **A. Islam**, E. Ahmed, L. Lu, K. A. Mamun, "Transcranial Doppler Ultrasonography: A Non-invasive Approach for Identifying Human Brain States", *2nd National Conference on Natural Sciences and Technology (NCNST2015)*, April 2015, Bangladesh.

40. **A. Islam**, E. Ahmed, F. Anowar, J. Lu, K. A. Mamun, "Decoding Cognitive States of Human Brain using Transcranial Doppler Ultrasonography", *National Conference on Physics Education and Research in Bangladesh*, April 2015, Bangladesh.

41. M. A. Helal, S.D. Bibon, S. Das, **A. Islam**, E. Ahmed, "A Gender Discrimination Approach By Decoding Emotional States Through EEG Signals", *3rd National Conference on Natural Science and Technology (NCNST 2016)*, April 2016, Bangladesh.

Manuscripts Under Preparation/To Be Submitted

42. **A. Islam**, B.M. Chaudhry. "Relational Agents in Healthcare: A Systematic Literature Review of Design Decisions." [To be Submitted]

43. **A. Islam**, B.M. Chaudhry. "An Architectural Framework for Developing Relational Agents in Healthcare Contexts." [To be Submitted]

44. M.U. Islam, **A. Islam**, A. Karim, S. Azam. "A Comprehensive Literature Review on Internet of Things' Role in Health Monitoring and Management for Prenatal and Neonatal Care." [To be Submitted]

45. S. Mumu, M.U. Islam, **A. Islam**, A. Karim. "Diabetes Disease Prediction Framework Utilizing Novel Machine Learning Strategies." [Under Preparation]

Skills

- **Languages:** C, Java, Python, C#, MATLAB, HTML CSS, PHP, SQL, PL/SQL, LaTex

- **Tools:** Scikit-Learn, TensorFlow, Keras, OpenCV, NLTK

- **Expertise:** System Development (Automation, Detection, Prototyping, Visualization)
  Quantitative Methods (Mining, Statistical Analysis, Predictive Model Building)
  Qualitative Methods (Grounded Theory, Thematic Analysis, Case Study, Survey)

Relevant Coursework During Academic Degrees

- **Graduate Level Courses:** Design and Analysis of Algorithms, Information Storage and Retrieval, Principles of Operating System Theory, Database and Networking Systems, Computer Architecture, VLSI Architecture, Pattern Recognition, Image Processing, Advanced Topics in Human-Computer Interaction, Research Methodology, and Advanced Topics in Computer and Software Systems.

- **Undergraduate Level Courses:** Introduction to Computer Systems, Algorithms, Data Structures, Artificial Intelligence, Programming Languages (C, JAVA, Python, Assembly Language), Pattern Recognition, Software Development Lab (C, JAVA, Web), Computer Networks, Network Programming, Compiler Design and Automata, Computer Architecture, Operating Systems, Numerical Methods, Discrete Mathematics, Mathematical Analysis for Computer Science, Digital System Design, Digital Logic Design, Data Communications, Microprocessors, Microcontroller Based System Design, Digital Electronics and Pulse Techniques, Database Management Systems, Digital Image Processing, Telecommunication, Information System Design and Software Engineering, Computer Graphics (Lab

using OpenGL), Distributed Database Systems, Basic Electrical Engineering, and Electronic Devices and Circuits.

Selected Talks and Presentations

- **"A Novel Design Framework for Relational Agents in Healthcare Contexts,"** School of Computing and Informatics, University of Louisiana at Lafayette, USA (2022).

- **"User-Centered Design of a Relational Agent for COVID-19 Patients,"** School of Computing and Informatics, University of Louisiana at Lafayette, USA (2022).

- **"A Health Service Delivery Relational Agent for the COVID-19 Pandemic,"** 16th International Conference on Design Science Research in Information Systems and Technology, Norway (2021).

- **"Identifying User Personas for Engagement with a COVID-19 Health Service Delivery Relational Agent,"** 9th ACM International Conference on Human-Agent Interaction, Japan (2021).

- **"Acceptance Evaluation of a COVID-19 Home Health Service Delivery Relational Agent,"** 15th EAI International Conference on Pervasive Computing Technologies for Healthcare, Israel (2021).

- **"A Computational Approach to Author Identification from Bengali Song Lyrics,"** International Joint Conference on Computational Intelligence, Bangladesh (2018).

- **"A Road to Independent Living with Smart Homes for People with Disabilities,"** IEEE 5th International Conference on Informatics, Electronics and Vision, Bangladesh (2016).

Awards, Honors, and Scholarships

- **Doctoral Dissertation Grant** from Graduate Student Organization of University of Louisiana at Lafayette, USA (Fall 2022).

- **Academic Excellence Award** at Honors Convocations of University of Louisiana at Lafayette, USA (2019, 2020, 2021).

- **Fully Funded Doctoral Scholarship/Assistantship** for four years from University of Louisiana at Lafayette, USA (Spring 2019 - Fall 2022).

- **Bangladesh-Sweden Trust Fund Travel Grant** from Economic Relations Division (ERD), Ministry of Finance (MoF), Government of the People's Republic of Bangladesh. (2019).

- **Doctoral Award Fellowship**, University of New Orleans, USA (2018, Not Attended).

- **Scholarship** and tuition waiver awarded by the Govt. of Bangladesh for excellent result in Secondary School Certificate (SSC) examination (2009-2011).

- **Scholarship** and tuition waiver awarded by the Govt. of Bangladesh for excellent result in Junior School Scholarship examination (2007-2008).

- **Champion** (Hardware and Automation Category), AUST-EEE Tech Fiesta, Ahsanullah University of Science and Technology, Bangladesh (2014).

- **Perfect Attendance Certification**, Notre Dame College, Bangladesh (2009-2011).

Certifications, Training, and Workshops Attended

- Training on **Outcome Based Education (OBE) & Academic Quality Assurance** from Udemy.com. (2022)

- Training on **Social & Behavioral Research** from The Collaborative Institutional Training Initiative (CITI Program). (2022, 2019)

- Training on **Participatory Engaging Teaching (PET)** by Human Resource Development Institute, Daffodil International University, Bangladesh. (2017)

- Workshop on **Developing Skills Related to Technology to Train Individuals Working with Autism Spectrum Disorder (ASD)** from Bangladesh University of Professionals, Bangladesh. (2015)

- Training on **Android Apps Development** under the National Mobile Application Development Awareness & Capacity Building Program funded by the Govt. of Bangladesh, Bangladesh. (2013)

Professional Services

International Advisory Committee/Board Member

- International Conference on Intelligent Informatics and Biomedical Sciences (ICIIBMS) [2022, 2021]

- International Conference on Sustainable Computing (SUSCOM) [2022, 2021]

Technical Program Committee Member

- The 2023 ACM Symposium of Eye Tracking Research & Applications (ETRA)

- Intelligent Systems Conference (IntelliSys) (2023, 2022)

- SAI Computing Conference (Computing) (2023, 2022)

- Future Technologies Conference (FTC 2023, FTC 2022)

- 5th Future of Information and Communication Conference (FICC) 2022

- 2021 2nd International Symposium on Artificial Intelligence for Medicine Sciences (ISAIMS 2021)

- 2020 4th International Conference on Imaging, Vision & Pattern Recognition (IVPR 2020)

Reviewer

- ACM CHI Conference on Human Factors in Computing Systems (CHI 2023, CHI 2022)

- 17th AAAI International Conference on Web and Social Media (ICWSM 2023)

- The 14th ACM Symposium on Eye Tracking Research and Applications (ETRA2022)

- The 6th International Conference on Biological Information and Biomedical Engineering (BIBE 2022)

- SAI 2022 Intelligent Systems Conference (IntelliSys 2022)

- 2022 Computing Conference (Computing 2022)

- Healthcare Analytics, Elsevier (2022–to date)

- Journal of Medical Internet Research, JMIR Publications (2021–to date)

- JMIR mHealth and uHealth, JMIR Publications (2021–to date)

- JMIR Medical Informatics, JMIR Publications (2021–to date).

- JMIR Human Factors, JMIR Publications (2021–to date)

- Intelligent Cyber Security for Modern Networks, CRC Press, Taylor & Francis Group, USA (2021)

- EAI Endorsed Transactions on Pervasive Health and Technology, EAI (2021–to date)

- Journal of Neuroscience Methods, Elsevier (2019–to date)

- 9th International Conference on Human-Agent Interaction (HAI 2021)

- 33rd Australian Conference on Human-Computer Interaction (OzCHI '21)

- IEEE International Conference on Electrical, Computer, Communications, and Mechatronics Engineering (ICECCME-2021)

- 2021 International Conference on Intelligent Informatics and Biomedical Sciences (ICIIBMS)

- International Conference on Imaging, Vision & Pattern Recognition (IVPR-2020)

Others

- **Judge**, Biomedical Engineering Category, Louisiana Region VI Science and Engineering Fair, USA (Spring 2022)

- **Member and Module-Leader**, Course Moderation Committee, Department of CSE, Daffodil International University (Jan–Dec 2018)

- **Student Advisor**, Department of CSE, Daffodil International University, Bangladesh (Oct 2017–Dec 2018)

- **Member**, Organizing Committee, The ACM-ICPC Asia Dhaka Regional Contest, Bangladesh (2018)

- **Co-Advisor**, Computer and Programming Club, Daffodil International University, Bangladesh (2017)

- **Thesis-Project Examiner**, Undergraduate Division, Department of CSE, Daffodil International University, Bangladesh (Jan 2017–Dec 2018)

- **Founding Committee Member**, AUST-CSE Research Community, Ahsanullah University of Science and Technology, Bangladesh (Jan 2015– Apr 2016)

Memberships

- **Professional Member**, The Association for Computing Machinery (ACM), USA

- **Member**, Institute for Systems and Technologies of Information, Control and Communication (INSTICC), Portugal

- **Member**, The Science and Information (SAI) Organization, UK

- **Member**, European Alliance for Innovation (EAI), Belgium

Research Collaborators

- **Dr. Beenish M. Chaudhry**, Assistant Professor, School of Computing and Informatics, University of Louisiana at Lafayette, USA

- **Dr. Md Faisal Kabir**, Assistant Professor, School of Science, Engineering, and Technology, Pennsylvania State University, USA

- **Dr. MD Rakibul Islam**, Assistant Professor, Department of Computer Science, University of Wisconsin, USA

- **Dr. Farzana Anowar**, Senior Data Analytics Specialist, Government of Saskatchewan, Canada

- **Dr. Sami Azam**, Senior Lecturer, College of Engineering, IT and Environment, Charles Darwin University, Australia

- **Dr. Asif Karim**, Lecturer, College of Engineering, IT and Environment, Charles Darwin University, Australia

- **Dr. Md. Rafiqul Islam**, Postdoctoral Researcher, University of Technology Sydney, Australia

- **Dr. MD Imran Hossen**, Postdoctoral Research Fellow, School of Computing and Informatics, University of Louisiana at Lafayette, USA

- **Dr. D. M. Anisuzzaman**, Research Fellow, Mayo Clinic, USA

- **Dr. Avdesh Mishra**, Assistant Professor, Department of Electrical Engineering & Computer Science, Texas A&M University, USA

Student Mentoring

- **Muhammad Usama Islam**, Computer Science Ph.D. Student, University of Louisiana at Lafayette, USA.

- **Mohsena Ashraf**, Computer Science Ph.D. Student, University of Colorado-Boulder, USA.

- **Arafat Noor**, Informatics M.S. Student, University of Louisiana at Lafayette, USA.

- **Navid Yusuf**, Informatics M.S. Student, University of Louisiana at Lafayette, USA.

- **Md Ibrahim Khan**, Computer Science and Engineering B.Sc. Student, Daffodil International University, Bangladesh.

- **Atiqul Islam Chowdhury**, Computer Science and Engineering M.Sc. Student, United International University, Bangladesh.

- **Dr. Beenish Moalla Chaudhry**
  Assistant Professor, School of Computing and Informatics
  University of Louisiana at Lafayette, LA 70503, USA
  Email: beenish.chaudhry@louisiana.edu

- **Dr. Kumer Pial Das**
  Professor and Assistant Vice President for Research, Innovation, and Economic Development
  University of Louisiana at Lafayette, LA 70503, USA
  Email: kumer.das@louisiana.edu

- **Dr. Khondaker Abdullah Al Mamun**
  Professor, Department of Computer Science and Engineering
  United International University (UIU), Dhaka 1212, Bangladesh
  Email: mamun@cse.uiu.ac.bd

- **Dr. Aminul Islam**
  Assistant Professor, School of Computing and Informatics
  University of Louisiana at Lafayette, LA 70503, USA
  Email: md-aminul.islam@louisiana.edu

- **Dr. Md Faisal Kabir**
  Assistant Professor, School of Science, Engineering, and Technology
  Pennsylvania State University, PA 17057, USA
  Email: mpk5904@psu.edu