

Md Ashraf Uddin, PhD(Australia)

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🌐 <https://scholar.google.com.au/citations?user=ub1j2jYAAAAJ&hl=en>

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📍 7 Ron Court, Canadian, VIC 3350, Australia



Introduction

- 📌 I served as an **Associate Research Fellow** at **Deakin University**, Australia, from January 2023 through December 2023. I completed my BSc (Hon's) and MS degrees in Computer Science and Engineering from the University of Dhaka before pursuing my **PhD in IT at Federation University Australia**. I have over **eight years** of international teaching experience at graduate and postgraduate levels. My research area is blockchain technology, machine learning, and cybersecurity. I have already contributed to the scientific community with over 40 peer-reviewed publications indexed by esteemed platforms like Scopus, SCIE, and ScienceDirect, with over 32 in **Q1 (20+)** and **Q2(10+)** journals. My work has garnered significant attention, accumulating **1536** citations, reflected in an H-index of **21**, as per Google Scholar.

Employment

- Jan.2023-Dec.2023 📌 **Associate Research Fellow (Full-time)**
Deakin University, Australia (DU)
Duty & Responsibilities:
To implement, publish research articles in machine learning and cybersecurity
To collaborate research with national and international scholars
Achievements: Submitted **Q1:3** articles as a first author, Collaborated **Q1:5+**, and **Q2:5+** research articles as a corresponding author
- Dec.2021-Dec.2022 📌 **Associate Professor (Full-time)**
Jagannath University, Bangladesh
Duty & Responsibilities:
Conducted class lectures, and laboratory at graduate and postgraduate level
Evaluated, marked exam papers, and supervised students
Design, and coordination: Compiler Design, Neural Network & Fuzzy System
- Sep.2022-Dec.2022 📌 **Associate Professor (Adjunct)**
North South University, Bangladesh
Duty & Responsibilities:
Conducted class lectures, & evaluated exam papers at postgraduate level
Design and coordination: Information Security & Policies
- Sep.2021-Dec.2022 📌 **Associate Professor (Adjunct)**
East West University, Bangladesh
Duty & Responsibilities:
Conducted class lectures, & evaluated exam papers at postgraduate level
Design and coordination: Algorithm and Object Oriented Programming



Employment (continued)

- Jul.2019-Feb.2022 ■ **Tutor/Lecturer (Casual)**
Melbourne Institute of Technology (MIT), Australia
Duty & Responsibilities:
Conducted class lectures, & evaluated exam papers at postgraduate level
Design and Coordination: Digital Forensics Lab
- Apr.2016-Dec.2021 ■ **Assistant Professor (Full-time)**
Jagannath University(JnU), Bangladesh
Duty & Responsibilities:
Conducted class lectures, and laboratory at graduate and postgraduate level
Evaluated exam papers, supervised students
Design, and coordination: Cloud Computing, Data Mining and Database
- Jun.2014-Apr.2016 ■ **Lecturer (Full-time)**
Jagannath University(JnU), Bangladesh
Duty & Responsibilities:
Conducted class lectures, and laboratory at graduate and postgraduate level
Evaluated exam papers, supervised students
Design and coordination: Compiler Design, and Algorithms
- Jul.2012-Apr.2014 ■ **Lecturer (Full-time)**
Mawlana Bhashani Science & Technology University(MBSTU), Bangladesh
Duty & Responsibilities:
Conducted class lectures, and laboratory at graduate and postgraduate level
Evaluated exam papers, supervised students
Design, and coordination: Wireless Sensor Network, Data Mining & Machine Learning, and Introduction to AI
- Feb.2011-Jul.2012 ■ **Lecturer (Full-time)**
Bangladesh University of Business and Technology(BUBT)
Duties & Responsibilities:
Conducted class lectures, and laboratory at graduate and postgraduate level
Evaluated exam papers, supervised students
Design, and coordination: Compiler Design, Data Mining& Machine Learning
- Oct.2010-Feb.2011 ■ **Lecturer (Full-time)**
City University, Bangladesh
Design, Coordination, and Lecturing: Database, & Basic Electronics courses

Education


















- 2017-2021 ■ **PhD in Information Technology (IT)**
Federation University Australia(FedUni)
Thesis title: *A Patient Agent Controlled Customized Blockchain Based Framework for Internet of Things*
Supervisor: Assoc Prof Dr Andrew Stranieri, Prof Iqbal Gondal and Dr Venki Balasubramanian
Achievements: Q1:4, and Q2:1 research articles and 5 CORE ranked conference papers

Education (continued)




- 2010-2012  **M.S in Computer Science and Engineering(CSE)**
University of Dhaka (DU)
Thesis title: *A Priority Metric based Ad hoc Routing Protocol for Underwater Sensor Network*
Supervisor: Dr Md Mamun-or-Rashid, Professor, University of Dhaka
- 2005-2010  **B.Sc.(Hon's) in Computer Science & Engineering**
University of Dhaka (DU)
Secured 11th position among 56 students

Taught Courses (Selected)


Jagannath University (JnU), Bangladesh

-  CSE5109: **Advanced Database Management System** in B1 2015, B2 2015, 2016, B1 2022, B2 2022
-  CSE5110: **Advanced Data Mining and Warehouse** in B1 2016, B2 2016
-  CSE6132: **Introduction to Blockchain Technology** in B2 2021
-  CSE6103: **Design and Analysis of Advanced Algorithms** in B1 2017
-  CSE6113: **Cloud Computing** in B2 2016, B1 2017
-  CSE4213: **Neural Network & Fuzzy System** in B2 2022
-  CSE4225: **VLSI Design Theory and Lab** in B1 2015
-  CSE1101,1102: **Structured Programming Language Theory and Lab** in B1 2015
-  CSE1201,1202: **Object Oriented Programming Language-I Theory and Lab** in B2 2015
-  CSE2101,2102: **Object Oriented Programming Language-II Theory and Lab** in B1 2016
-  CSE2208,2209: **Design and Analysis of Algorithm Theory and Lab** in B1 2015
-  CSE3201,3202: **Compiler Design and Construction Theory and Lab** in B2 2013
-  CSE3205,3206: **Software Engineering Theory and Lab** in B2 2022
-  CSE3207,3208: **Computer Peripheral and Interfacing Theory and Lab** in B2 2012, B1 2013, B2 2014
-  CSE3103,3104: **Operating System Theory and Lab** in B1 2014
-  CSE4101,4102: **Introduction to AI Theory and Lab** in B1 2021
-  CSE4105,4106: **Computer Graphics Theory and Lab** in B2 2012

Melbourne Institute of Technology (MIT), Australia

-  MN623: **Network Analytics and Cybersecurity** in T2 2019
-  MN624: **Digital Forensics** in T2 2019, T2 2021
-  MN603: **Wireless Networks and Security** in T2 2021

Federation University Australia (FedUni)-Guest Lecture

-  ITECH3100: **Cloud and Mobile Security** in T2 2018
-  ITECH3215: **Information Security** in T1 2019
-  ITECH1001: **Communications and Technology** in T2 2019

East West University, Bangladesh (EWU)

-  CSE101: **Introduction to Computer-I** in T1, T2, T3 2015, 2016



Taught Courses (Selected) (continued)

- 📌 CSE110: **Object Oriented Programming** in T₃ 2021, T₁, T₂, T₃ 2022
- 📌 CSE246: **Algorithms** in T₃ 2021, T₁, T₂, T₃ 2022

Professional Roles

- 2021-2023 📌 Director, **JnU-Emerging Data Science Lab** at Jagannath University, Bangladesh
Responsibilities: To co-lead Blockchain and Machine Learning Research at the dept. of Computer Science & Engineering
- 2015-2017 📌 Associate Director, **Data Mining and Knowledge Discovery Lab** at Jagannath University, Bangladesh
Responsibilities: To co-lead Data Mining and Machine Learning Research at the dept. of Computer Science & Engineering
- 2022 📌 External Examiner, **Thesis/Capstone Project Evaluation Board** at Bangladesh University of Business & Technology
Responsibilities: To assess and mark thesis and capstone projects at graduate level
- 📌 Question Moderator, **Semester Final Examination** at Mawlana Bhashani Science & Technology University
Responsibilities: To set and moderate semester final examination questions as an external expert
- 2021 📌 Seminar Organizer, and **Resource Person**, Blockchain & Machine Learning Seminar at Jagannath University
Responsibilities: To organize blockchain & machine Learning annual seminar
- 📌 External Examiner, **Thesis/Capstone Project Evaluation Board** at University of Dhaka
Responsibilities: To assess and mark thesis at post graduate level
- 📌 Member, **Graduate Course Unit Development** at Jagannath University Bangladesh
Responsibilities: To develop and re-develop Application Design and Development, Introduction to Blockchain Technology
- 2016 📌 Member, **Graduate Course Unit Development** at South East University Bangladesh
Responsibilities: To develop and re-develop Computer Graphics and Animation
- 2015 📌 Member, **Graduate Course Unit Development** at Jagannath University Bangladesh
Responsibilities: To develop and re-develop Cloud Computing, Application Design & Development
- 📌 External Examiner, **Semester Final Lab Examination** at the University of Barisal, Bangladesh
Responsibilities: To conduct, assess and mark C programming practical session exams
- 2014 📌 Member, **Programming Contest Coach** at Jagannath University
Responsibilities: To arrange programming contest and play the role of coach for a team at ACM ICPC
- 2013 📌 Member, **Graduate Curriculum Design** at Mawlana Bhashani Science & Technology University
Responsibilities: To design and develop course units for M.Sc program
- 📌 Organizing Member, **Resource Person**, Android Application Workshop at Mawlana Bhashani Science & Technology
Topics: J2SE, J2EE, Android
- 2012 📌 Member, **Department Website Development** at Bangladesh University of Business & Technology
Topics: To advise and assist in designing departmental website

Professional Roles (continued)

- 2011  Organizing Member, **Web Development Workshop** at Bangladesh University of Business & Technology
Topics: HTML/XHTML, CSS, PHP, MYSQL and JavaScript
- 2011  Organizing Member, **Web Development Workshop** at City University
Topics: HTML/XHTML, CSS, PHP and MYSQL

Research Interest

-  **Machine Learning, Deep Learning, Blockchain, Cyber Security, Health Informatics, Network Intrusion Detection System**

Research Publications(Selected)

Peer Reviewed Journal Articles

- 1 **Uddin, Md. Ashraf** and S. Aryal, "A dual-tier adaptive one-class classification ids for emerging cyberthreats," *ACM Transaction on Privacy and Security*, Status(Under review), 2023.
- 2 **Uddin, Md. Ashraf** and S. Aryal, "A one class classification based zero day attack detection system," *Computer Security, Elsevier*, Status(Under review), 2023.
- 3 **Uddin, Md. Ashraf** and S. Aryal, "Hierarchical classification for ids: Effective design and empirical analysis," *Computer Network, Elsevier*, Status(Under review), 2023.
- 4 **Uddin, Md. Ashraf**, M. M. Islam, M. A. Talukder, *et al.*, "Machine learning based diabetes detection model for false negative reduction," *Biomedical Materials & Devices*, pp. 1–17, 2023.
- 5 M. K. U. Ahamed, M. M. Islam, **Uddin, Md. Ashraf**, *et al.*, "Dtlcx: An improved resnet architecture to classify normal and conventional pneumonia cases from covid-19 instances with grad-cam-based superimposed visualization utilizing chest x-ray images," *Diagnostics*, vol. 13, no. 3, p. 551, 2023.
- 6 A. Akhter, U. K. Acharjee, M. A. Talukder, M. M. Islam, and **Uddin, Md. Ashraf**, "A robust hybrid machine learning model for bengali cyber bullying detection in social media," *Natural Language Processing Journal*, vol. 4, p. 100 027, 2023.
- 7 R. K. Halder, M. N. Uddin, **Uddin, Md. Ashraf**, *et al.*, "A grid search-based multilayer dynamic ensemble system to identify dna n4—methylcytosine using deep learning approach," *Genes*, vol. 14, no. 3, p. 582, 2023.
- 8 M. A. Islam, **Uddin, Md. Ashraf**, S. Aryal, and G. Stea, "An ensemble learning approach for anomaly detection in credit card data with imbalanced and overlapped classes," *Journal of Information Security and Applications*, vol. 78, p. 103 618, 2023.
- 9 M. M. Islam, M. A. A. Adil, M. A. Talukder, M. K. U. Ahamed, and **Uddin, Md. Ashraf**, "Deepcrop: Deep learning-based crop disease prediction with web application," *Journal of Agriculture and Food Research*, vol. 14, p. 100 764, 2023.
- 10 M. M. Islam, M. A. Talukder, M. R. A. Sarker, and **Uddin, Md. Ashraf**, "A deep learning model for cotton disease prediction using fine-tuning with smart web application in agriculture," *Intelligent Systems with Applications*, vol. 20, p. 200 278, 2023.
- 11 R. Khatun, M. Akter, M. M. Islam, and **Uddin, Md. Ashraf**, "Cancer classification utilizing voting classifier with ensemble feature selection method and transcriptomic data," *Genes*, vol. 14, no. 9, p. 1802, 2023.

- 12 M. A. Talukder, K. F. Hasan, M. M. Islam, and **Uddin, Md. Ashraf**, "A dependable hybrid machine learning model for network intrusion detection," *Journal of Information Security and Applications*, vol. 72, p. 103 405, 2023.
- 13 M. A. Talukder, M. M. Islam, **Uddin, Md. Ashraf**, *et al.*, "An efficient deep learning model to categorize brain tumor using reconstruction and fine-tuning," *Expert Systems with Applications*, p. 120 534, 2023.
- 14 M. A. Talukder, M. A. Layek, M. Kazi, **Uddin, Md. Ashraf**, and S. Aryal, "Empowering covid-19 detection: Optimizing performance through fine-tuned efficientnet deep learning architecture," *Computers in Biology and Medicine*, p. 107 789, 2023.
- 15 K. M. M. Uddin, M. J. Alam, **Uddin, Md. Ashraf**, and S. Aryal, "A novel approach utilizing machine learning for the early diagnosis of alzheimer's disease," *Biomedical Materials & Devices*, pp. 1–17, 2023.
- 16 N. Uddin, M. K. U. Ahamed, **Uddin, Md. Ashraf**, M. M. Islam, M. A. Talukder, and S. Aryal, "An ensemble machine learning based bank loan approval predictions system with a smart application," *International Journal of Cognitive Computing in Engineering*, vol. 4, pp. 327–339, 2023.
- 17 U. K. Acharjee, M. Arefin, K. M. Hossen, M. N. Uddin, **Uddin, Md. Ashraf**, and L. Islam, "Sequence-to-sequence learning-based conversion of pseudo-code to source code using neural translation approach," *IEEE Access*, vol. 10, pp. 26 730–26 742, 2022.
- 18 P. Ghose, **Uddin, Md. Ashraf**, U. K. Acharjee, and S. Sharmin, "Deep viewing for the identification of covid-19 infection status from chest x-ray image using cnn based architecture," *Intelligent Systems with Applications*, vol. 16, p. 200 130, 2022.
- 19 P. Ghose, M. Alavi, M. Tabassum, *et al.*, "Detecting covid-19 infection status from chest x-ray and ct scan via single transfer learning-driven approach," *Frontiers in genetics*, vol. 13, p. 980 338, 2022.
- 20 M. U. Hossain, M. A. Rahman, M. M. Islam, A. Akhter, **Uddin, Md. Ashraf**, and B. K. Paul, "Automatic driver distraction detection using deep convolutional neural networks," *Intelligent Systems with Applications*, vol. 14, p. 200 075, 2022.
- 21 M. A. Talukder, M. M. Islam, **Uddin, Md. Ashraf**, A. Akhter, K. F. Hasan, and M. A. Moni, "Machine learning-based lung and colon cancer detection using deep feature extraction and ensemble learning," *Expert Systems with Applications*, vol. 205, p. 117 695, 2022.
- 22 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasubramanian, "A survey on the adoption of blockchain in iot: Challenges and solutions," *Blockchain: Research and Applications*, vol. 2, no. 2, p. 100 006, 2021.
- 23 K. U. Ahamed, M. Islam, **Uddin, Md. Ashraf**, *et al.*, "A deep learning approach using effective preprocessing techniques to detect covid-19 from chest ct-scan and x-ray images," *Computers in biology and medicine*, vol. 139, p. 105 014, 2021.
- 24 N. Ahmed, R. Ahammed, M. M. Islam, *et al.*, "Machine learning based diabetes prediction and development of smart web application," *International Journal of Cognitive Computing in Engineering*, vol. 2, pp. 229–241, 2021.
- 25 M. S. Rahman, S. Halder, **Uddin, Md. Ashraf**, and U. K. Acharjee, "An efficient hybrid system for anomaly detection in social networks," *Cybersecurity*, vol. 4, no. 1, pp. 1–11, 2021.
- 26 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasubramanian, "Blockchain leveraged decentralized iot ehealth framework," *Internet of Things*, vol. 9, p. 100 159, 2020.
- 27 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasubramanian, "Rapid health data repository allocation using predictive machine learning," *Health Informatics Journal*, vol. 26, no. 4, pp. 3009–3036, 2020.
- 28 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasurbramanian, "A lightweight blockchain based framework for underwater iot," *Electronics*, vol. 8, no. 12, p. 1552, 2019.

- 29 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasubramanian, "A patient agent to manage blockchains for remote patient monitoring," *Stud Health Technol Inform*, vol. 254, pp. 105–115, 2018.
- 30 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasubramanian, "Continuous patient monitoring with a patient centric agent: A block architecture," *IEEE Access*, vol. 6, pp. 32 700–32 726, 2018.

Conference Proceedings

- 1 M. A. Islam, G. Stea, **Uddin, Md. Ashraf**, S. Mahmud, and K. M. Rahma, "Microstrip patch antenna for single resonant frequency using various types of slots," in *2023 3rd International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*, IEEE, 2023, pp. 1–7.
- 2 P. Ghose, **Uddin, Md. Ashraf**, M. M. Islam, M. Islam, and U. K. Acharjee, "A breast cancer detection model using a tuned svm classifier," in *2022 25th International Conference on Computer and Information Technology (ICCIT)*, IEEE, 2022, pp. 102–107.
- 3 M. Alavi, S. Sharmin, **Uddin, Md. Ashraf**, T. Ahammad, and F. Siddika, "Profitable ranking of stock market organizations using different machine learning models," in *2021 IEEE 9th Region 10 Humanitarian Technology Conference (R10-HTC)*, IEEE, 2021, pp. 1–6.
- 4 P. Ghose, U. K. Acharjee, M. A. Islam, S. Sharmin, and **Uddin, Md. Ashraf**, "Deep viewing for covid-19 detection from x-ray using cnn based architecture," in *2021 8th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)*, IEEE, 2021, pp. 283–287.
- 5 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasubramanian, "Dynamically recommending repositories for health data: A machine learning model," in *Proceedings of the Australasian Computer Science Week Multiconference*, 2020, pp. 1–10.
- 6 M. M. Islam, **Uddin, Md. Ashraf**, L. Islam, A. Akter, S. Sharmin, and U. K. Acharjee, "Cyberbullying detection on social networks using machine learning approaches," in *2020 IEEE Asia-Pacific Conference on Computer Science and Data Engineering (CSDE)*, IEEE, 2020, pp. 1–6.
- 7 M. A. H. Wadud, T. A.-U.-H. Bhuiyan, **Uddin, Md. Ashraf**, and M. M. Rahman, "A patient centric agent assisted private blockchain on hyperledger fabric for managing remote patient monitoring," in *2020 11th International Conference on Electrical and Computer Engineering (ICECE)*, IEEE, 2020, pp. 194–197.
- 8 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasubramanian, "A decentralized patient agent controlled blockchain for remote patient monitoring," in *2019 International conference on wireless and mobile computing, networking and communications (WiMob)*, IEEE, 2019, pp. 1–8.
- 9 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasubramanian, "An efficient selective miner consensus protocol in blockchain oriented iot smart monitoring," in *2019 IEEE International Conference on Industrial Technology (ICIT)*, IEEE, 2019, pp. 1135–1142.
- 10 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasubramanian, "Blockchain leveraged task migration in body area sensor networks," in *2019 25th Asia-Pacific Conference on Communications (APCC)*, IEEE, 2019, pp. 177–184.

Poster

- 1 Md. Jahidul Islam and G.M. Ansarul Kabir and Israt Tabassum and Cenedy Udoy Palma and **Uddin, Md. Ashraf**, *Transparent authorization of port transactional files*, Blockchain Olympiad Bangladesh, Dhaka, Bangladesh, 2022.
- 2 I. G. **Uddin, Md. Ashraf** Andrew Stranieri, *An efficient selective miner consensus protocol in blockchain oriented iot smart monitoring*, ICIT 2019, Melbourne, Australia, 2019.
- 3 **Uddin, Md. Ashraf** and A. Stranieri, *A decentralized patient agent controlled blockchainfor remote patient monitoring*, HDR Conference, Federation University Australia, 2019.

Academic Awards and Achievements

- 2022 **Finalist, On Professional Category** at Blockchain Olympiad Bangladesh, Dhaka, Bangladesh.
- 2021 **Best Paper Award** by 8th Electrical Engineering, Computer Science and Informatics, Indonesia
- 2020 **Travel and Presentation Award** by CORE (Computing Research and Education) Australia
- 2019 **Travel and Presentation Award** by CORE (Computing Research and Education) Australia
- 2018 **Best Oral Presentation, 3rd Prize** by HDR Conference, Federation University Australia
- 2017 **Research Priority Scholarship** by Federation University Australia for PhD program
- 2016 **Honourable Mention for the Conference Paper** by 19th International Conference on Computer and Information Technology, Dhaka
- 2010 **Computer Science & Engineering Departmental B.Sc Result Scholarship** by University of Dhaka during fourth year for top academic result
- 2004 **Higher Secondary Certificate Scholarship** by Barisal Board, Bangladesh for 12th Grade examination result
- 1996 **Primary Scholarship** awarded by Primary Education Ministry, Bangladesh for excellent result in 5th grade examination

Skills

Programming	C, C++, C#, Java, Python, OpenGL, Prolog, Assembly Language, Solidity, Shell Scripting
Framework	Tensorflow, PyTorch, pyod
Web Technologies	HTML, CSS, PHP, JavaScript
Networking	Socket Programming, CCNA
Database	Oracle, PostgreSQL, Microsoft SQL Server, MySQL, SQLite
Symbolic Computing	Matlab
Source Control Software	Git
Technical Writing Tool	LaTeX

Post Graduate Thesis Supervision

- 2022 **Shohag Hossain, Jagannath University Bangladesh**
Thesis title: Blockchain Smart Contract Assisted COVID 19 Detection System
- Riad Hossen, JnU, Bangladesh**
Thesis title: Blockchain and Machine Learning Oriented Sentimental Analysis on Rohingya Crisis
- Jahid Anuar, JnU, Bangladesh**
Thesis title: Loan Approval Prediction Using Ensemble Learning with UI
- Suman Roy, JnU, Bangladesh**
Thesis title: Sentiment Analysis of COVID-19 Related Tweets Using ML and Deep Learning Models

Graduate Thesis Supervision

- 2022 **Md Saifur Rahman, Jagannath University (JnU)**
Thesis title: A Blockchain-Based Digital Classified Forensic Image Preservation Framework

Graduate Thesis Supervision (continued)

- Abida Sultana, & Sadia Jannat Mitu, JnU
Thesis title: 4mC-CGRU: Identification of N⁴-Methylcytosine (4mC) sites using convolution gated recurrent unit in Rosaceae genome
- Kashfi Shormita Kushal, & Tanvir Ahmed, JnU
Thesis title: A Blockchain-Based Framework for COVID-19 Detection Using Stacking Ensemble of Pre-Trained Models
- Habibur Rahman Rifat, & Shamim Hossain, JnU
Thesis title: Hyper-tuning Based Water Quality Indexing Using Ensemble Machine Learning Approach
- Nibir Hossain & Asif Ahamed, JnU
Thesis Title: Abnormal Driving Behavior Detection: A Machine and Deep Learning Based Hybrid Model
- 2021 ■ Md Rahat Hasan & Siddhartha Barman Joy, JnU
Thesis title: Smart Contract-Based Access Control Framework for Internet of Things Devices
- 2015 ■ Arnisha Akter & Md Anwar Hossain Abir, JnU
Thesis title: Design of parity preserving reversible sequential circuits
- Md Shafiur Rahman & Lima Akter, Jagannath University
Thesis title: Link prediction by correlation on social network
- 2014 ■ Mahmudul Hasan, Jagannath University
Thesis title: Fuzzy based weight to mine frequent patterns from human interaction in meeting using directed acyclic graph
- 2013 ■ Shisir Mia, Mawlana Bhashani Science & Technology University
Thesis Title: Dynamic Precedential Model of CPU Scheduling Based on Fuzzy Logic
- Pretam Saha, Mawlana Bhashani Science & Technology University
Thesis Title: Motor Control of water pump based on the current level using Fuzzy Logic

Professional Affiliation and Service

- 2018-2024 ■ **Journal and Conference Review:** IEEE Access, IEEE Internet of Things, Elsevier, Springer, MDPI(Sensors, Future Internet, Agriculture, Computer), TrustCom 2019, ICIT2018, 2019, HIKM2018, 2019
- 2023-2024 ■ **PC Member:** AICCSA 2023, CIKM 2023 in Australia
- 1019-2020 ■ **IEEE Student Member,** IEEE Student Branch, Federation University, Victoria.
- 2018-2020 ■ **Professional Member,** IEEE Computer Society

Invited Talks & Presentation

- Aug. 2023 ■ **Research Seminar** at MLDS Lab, Deakin University
Presentation Title: Blockchain Fundamentals and Its Application in IDS
- Feb. 2023 ■ **Research Seminar** at Islamic University of Technology, Dhaka
Presentation Title: dApp: Decentralized Application on Blockchain
- Oct. 2022 ■ **Research Person, Research Seminar** at BUBT Research and Innovation Center, Dhaka
Presentation Title: Impact of IoT in the Current World & Blockchain and Cybersecurity

Invited Talks & Presentation (continued)

- Jul. 2021 ■ **Research Person, Research Seminar** at Melbourne Institute of Technology
Presentation Title: Blockchain Fundamental and the Use of This Technology in Digital Forensics
- Aug. 2021 ■ **Research Person, Research Seminar** at Islamic University of Technology, Dhaka
Presentation Title: Blockchain Research and Applications
- Dec. 2019 ■ **Conference Paper Presentation** at Jagannath University, Bangladesh
Presentation Title: Blockchain Application and Research in IoT
- Feb. 2019 ■ **Conference Paper Presentation** at ACSW 2019 Conference, Macquarie University
Presentation Title: A Blockchain Based Internet of Things Architecture
- Feb. 2020 ■ **Conference Paper Presentation** at HIKM 2020 Conference, Swinburne University
Presentation Title: Dynamically Recommending Health Repositories for Health Data Storage
- Jul. 2019 ■ **Research Paper Presentation** at 2019 HDR Conference, Federation University
Presentation Title: A Blockchain Leveraged Decentralized eHealth Framework
- Nov. 2018 ■ **Research Paper Presentation** at Research Seminar, Ballarat Health Service
Presentation Title: A Patient Centric Agent to Manage Continuous Stream Data: A Blockchain Oriented Architecture for Remote Patient Monitoring
- Jul. 2018 ■ **Research Paper Presentation** at 2018 HDR Conference, Federation University
Presentation Title: Continuous Patient Monitoring with a Patient Centric Agent: Blockchain Architecture
- Oct. 2018 ■ **Research Paper Presentation** at 2018 Global Telehealth Conference
Presentation Title: A Patient Agent to Manage Blockchains for Remote Patient Monitoring
- Dec. 2018 ■ **Seminar Presentation** at Jagannath University
Presentation Title: Introduction to Blockchain Technology

Training & Workshop Participation

- Jan. 2022 ■ **Fundamentals of Database Engineering** at udemy, Online
Learned Topics: ACID, Indexing, Partitioning, Sharding, Concurrency control, Replication, DB Engines
- Jul. 2018 ■ **Professional Development on Project Supervisor 2018** at Melbourne Institute of Technology, Melbourne
Learned Topics: Project Units overview, Project Requirements, Industry Client, Proposal, Assessments, Marking guide, Marking process
- Oct. 2022 ■ **Data Analytics Workshop** organized by IEEE Symposium on Data Analytics and Internet of Things, 2020, IEE Victorian Section
Learned Topics: Data pre-processing using Python
- Jun. 2018 ■ **CSIRO Data61 Research Showcase** organized by Data61 at Melbourne
Learned Topics: Poster presentation, research paper presentation
- Dec. 2014 ■ **Workshop on Cloud Computing and Big Data-A Paradigm Shift in ICT** at Islamic University of Technology, Dhaka
Learned Topics: Basic of Cloud computing and big data processing
- May. 2009 ■ **CCNA Exploration** at American International University, Bangladesh (AIUB)par
Learned Topics: Networking basics, switch, & router configuration, and IPV4 subnet.

Research Grant

- 2022-2023  **(Associate Investigator) Machine Learning and Bioinformatics for disease genes identification, biomarker & drug discovery,**
Funded by Ministry of ICT, Bangladesh
-  **(Principal Investigator)Machine Learning Based Diabetes Detection Model for False Negative Reduction**
Funded by Jagannath University Research Center, Bangladesh
- 2021-2022  **(Principal Investigator)Blockchain-based COVID-19 Tracing System**
Funded by Jagannath University Research Center
- 2020-2021  **(Associate Investigator) Cyberbullying Detection on Social Media: A Hybrid Approach**
Funded by Jagannath University Research Center

References


Dr. Andrew Stranieri

Associate Professor

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Dr. Iqbal Gondal

Professor, Associate Dean, Cloud, Systems & Security

School of Computing Technologies, RMIT University,

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Dr. Sunil Aryal


Senior Lecturer

School of Information Technology

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