

Md Ashraf Uddin, PhD(FedUni, Australia), Postdoc (Deakin University, Australia)

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Introduction

- I am a casual researcher assistant at Deakin University Australia. I am currently serving Crown Institute of Higher Education in Canberra as a full time Lecturer. 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 from Internet Commerce Security Laboratory at Federation University Australia**. I have over **nine years** of international teaching experience at graduate and postgraduate levels. My research interests span the development and application of cybersecurity, blockchain technology, and machine learning solutions. I've been recognized among the **Top 2% of Scientists**. My work has garnered significant attention, accumulating above **1900** citations, reflected in an H-index of **21**, as per Scopus profile.



Employment

- Jan.2024-Present ■ **Casual Research Assistant**
Deakin University, Australia
Duty & Responsibilities: To implement, publish research articles in machine learning and cybersecurity
Achievement: Published over 10 Q₁ in collaboration with national and international authors.
- Mar.2024-Present ■ **Lecturer (Full-time)**
Crown Institute of Higher Education, Australia
Duty & Responsibilities:
Conducting class lectures, & evaluating exam papers at graduate and postgraduate level
Unit coordination: ICT305, ICT309, ICT204, ICT932
Unit Development: MIT932 Security Assurance and Testing, MIT940 Risk Management in Cybersecurity, MIT942 Cybersecurity Project
Achievement: Student Evaluation Learning & Teaching : Avg. 4.20 (S₁), Avg. 4.42 (S₂, 2024)
- 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




Employment (continued)

- 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
- 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

Employment (continued)






- 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
- 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)

Crown Institute of Higher Education, Australia

-  ICT204: **Cybersecurity** in S1 2024
-  ICT206: **Advanced Cybersecurity** in S1 2024
-  ICT910: **Enterprise Systems Security** in S1 2024
-  ICT931: **Cybersecurity Incident Response** in S2 2024
-  ICT932: **Cybersecurity Testing & Assurance** in S2 2024

Canterbury Institute of Management (CIM), Australia

-  ISBS301: **Information and Communication Security** in S1 2024
-  ISBS201: **Network and Communication** in S1 2024
-  MBIS403: **Data Modeling and Database Design** in S1 2024

Jagannath University (JnU), Bangladesh

-  CSE5109: **Advanced Database Management System** in B1 2015, B2 2015, 2016, B1 2022, B2 2022

Taught Courses (Selected) (continued)

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

Professional Roles

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|-----------|--|
| 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 |

Professional Roles (continued)

- 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
 - 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**, S. Aryal, M. R. Bouadjenek, M. Al-Hawawreh, and M. A. Talukder, "A dual-tier adaptive one-class classification ids for emerging cyberthreats," *Computer Communications*, 2024.
- 2 **Uddin, Md. Ashraf**, S. Aryal, M. R. Bouadjenek, M. Al-Hawawreh, and M. A. Talukder, "Usfad based effective unknown attack detection focused ids framework," *Scientific Reports*, vol. 14, no. 1, p. 29 103, 2024.
- 3 **Uddin, Md. Ashraf**, M. A. Talukder, M. R. Ahmed, *et al.*, "Data-driven strategies for digital native market segmentation using clustering," *International Journal of Cognitive Computing in Engineering*, vol. 5, pp. 178–191, 2024.
- 4 M. A. Talukder and **Uddin, Md. Ashraf**, "Machine learning-based network intrusion detection for big and imbalanced data using oversampling, stacking feature embedding and feature extraction," *Journal of Big Data*, vol. 11, no. 1, pp. 1–44, 2024.
- 5 **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.
- 6 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.
- 7 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.
- 8 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.
- 9 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.
- 10 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.
- 11 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.
- 12 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.
- 13 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.
- 14 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.
- 15 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.
- 16 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.

- 17 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.
- 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 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.
- 24 **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.
- 25 **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.
- 26 **Uddin, Md. Ashraf**, A. Stranieri, I. Gondal, and V. Balasubramanian, "A lightweight blockchain based framework for underwater iot," *Electronics*, vol. 8, no. 12, p. 1552, 2019.
- 27 **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.
- 28 **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.









Academic Awards and Achievements

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| 2022 | ■ Finalist, On Professional Category at Blockchain Olympiad Bangladesh, Dhaka, Bangladesh. |
| 2021 | ■ Best Paper Award by 8 th 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 19 th 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 12 th Grade examination result |





Academic Awards and Achievements (continued)

- 1996  **Primary Scholarship** awarded by Primary Education Ministry, Bangladesh for excellent result in 5th grade examination







Skills

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|-------------------------|--|
| 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
-  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

Graduate Thesis Supervision (continued)

- 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
- 2019-2020  **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
- 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

Invited Talks & Presentation (continued)

- 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

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Dr. Ammar Alazab

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