

SAHA RENO

Teaching Professional & Research Scholar

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EXPERIENCE • ACADEMIC SECTOR & SOFTWARE INDUSTRY

Bangladesh Army International University of Science and Technology

Cumilla Cantonment,

Bangladesh

Mar 2019 – Present

Lecturer (Computer Science & Engineering) – Permanent for Full Time Service

- Designing, preparing, and delivering lectures, tutorials, seminars, and workshops.
- Developing curricula and course materials for several platforms.
- Collaborating with other academics to improve teaching methods and extend knowledge base.
- Setting and grading assignments, tests, and exams.
- Conducting research and writing papers, proposals, journal articles, and books.
- Attending and participating in meetings, conferences, training opportunities and initiatives in and outside the institution.
- Staying current by reading widely and producing published work in the field.

baiust.ac.bd

Highlights:

- Organized the Chittagong's first gigantic and largest computer science & engineering festival titled "Computenigma 2020", including leading the Olympiad management committee.
- Edited a 131 pages magazine, yearly newsletters, and academic calendar, including supporting the publication team for printing.
- Contributed to the university sports club for encouraging the students to be connected in more philanthropic activities and events as the Co-Advisor.
- Supervised more than twenty students for thesis, projects, and research paper.

REVE Systems – Software Engineering Intern

Dhaka, Bangladesh

Feb 2018 – Feb 2018

- Developed flowcharts, layouts, and documentation to identify requirements and solutions.
- Integrate software components into a fully functional software system, including writing well-designed and testable code.
- Worked to troubleshoot, debug, and maintain software functionality.
- Complied with project plans and industry standards with ensuring software is revised with latest features.

revesoft.com

Highlights:

- Contributed to develop the Bangla Voice Recognition System for a government project.
- Developed applications for both white noise removal and audio-vocal separation system.
- Found out several bugs in the Bangla Language Parsing Tool, including generating datasets for Bengali Speeches in different tones.

ADDITIONAL EXPERIENCE • ACADEMIC ADMINISTRATION SECTOR

Bangladesh Army International University of Science and Technology

Cumilla Cantonment,

Bangladesh

Mar 2019 – Present

● Assistant Provost for BAIUST Male Hall

Feb 2021 – June 2022

- Implemented and administrated policies and regulations affecting faculty and students.
- Maintained confidentiality, exercised good judgment, and acted professionally, sensitively, and with high discretion.
- Fostered communications, facilitated implementation, and troubleshoot problems in academic planning and practices across all levels of the university.

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● Program Coordinator for Computer, Science & Engineering Department

Aug 2022 – Present

- Providing specialized administrative support in developing, implementing, and marketing program functions.
- Serving as a central point of contact between students, faculty, staff, other departments, and external constituencies on day-to-day programmatic, operational, and administrative matters; assisting with seminars, meetings, special projects, and general problem resolution.
- Coordinating activities of support staff, consultants, faculty, and volunteers engaged in implementing and administering program objectives
- Monitoring and administering program revenues and expenses with developing and participating developing of funding proposals for the program.

EDUCATIONAL BACKGROUND

Chittagong University of Engineering and Technology

Chattogram, Bangladesh

Master of Science in Computer Science and Engineering (MS)

Sep 2019 – Present

CGPA: 3.92

Bangladesh Army International University of Science and Technology
Batchelor of Science in Computer Science and Engineering (BS)
 CGPA: 3.98

Cumilla, Bangladesh
 Mar 2015 – May 2019

Cumilla Victoria Government College
Higher Secondary School Certificate
 GPA: 5.00 (Golden)

Cumilla, Bangladesh
 Jul 2011 – Aug 2013

Cumilla Zilla School
Secondary School Certificate
 GPA: 5.00 (Golden)

Cumilla, Bangladesh
 Jan 2005 – May 2011

YWCA Nursery School
Elementary Education Level
 General Studies

Cumilla, Bangladesh
 Jan 2000 – Dec 2004

RESEARCH & PUBLICATION • BLOCKCHAIN & MACHINE LEARNING

Journal Article	01	<i>Mitigating Loan Associated Financial Risk Using Blockchain Based Lending System.</i> Authors: S Reno , SSRA Chowdhury, I Sadi DOI: 10.23743/ACS-2021-16 ISSN: 23536977 18953735	Applied Computer Science (Q3) Published in Poland Volume: 17 & Issue: 02 <i>acs.pollub.pl</i> Scopus & DOAJ Indexed
	02	<i>Implementation of Private Blockchain in Smart Card Management System.</i> Authors: S Reno , MRI Bhuiyan, M Ahmed, MA Monyeem ISSN: 2789-6935	BAIUST Academic Journal Volume: 01 & Issue: 01 <i>journal.baiust.ac.bd</i> Peer Reviewed Journal
	03	<i>Decentralized Finance and Crypto Banking System Using Ethereum-based Blockchain Technology.</i> Authors: M Ahmed , S Reno , S Akter , AKMAN Chowdhury ISSN: 2789-6935	BAIUST Academic Journal Volume: 02 & Issue: 01 <i>journal.baiust.ac.bd</i> Peer Reviewed Journal
Conference Paper	04	<i>Clusterization of Different Vulnerable Countries for Immigrants Due to Covid-19 Using Mean Probabilistic Likelihood Score and Unsupervised Mining Algorithms.</i> Conference: 2021 International Conference on Information and Communication Technology for Sustainable Development Authors: S Bhowmik, S Reno , S Sultana, M Ahmed DOI: 10.1109/ICICT4SD50815.2021.9396950	ICICT4SD 2021 Dhaka, Bangladesh <i>ieeexplore.ieee.org</i> Scopus Indexed
	05	<i>Hyperledger Based Private Blockchain Technology in Pharmaceutical Manufacturing Industry for Preventing Substandard Drug Production.</i> Conference: 2021 International Conference on Smart Generation Computing, Communication and Networking Authors: S Reno , SSRA Chowdhury DOI: 10.1109/SMARTGENCON51891.2021.9645869	SMART GENCON 2021 Pune, India <i>ieeexplore.ieee.org</i> Scopus Indexed
	06	<i>Utilizing IPFS and Private Blockchain to Secure Forensic Information.</i> Conference: 2021 International Conference on Automation, Control and Mechatronics for Industry 4.0 Authors: S Reno , S Bhowmik, M Ahmed DOI: 10.1109/ACMI53878.2021.9528180	ACMI 2021 Rajshahi, Bangladesh <i>ieeexplore.ieee.org</i> Scopus Indexed
	07	<i>Counterfeit Medicine Identification Using Hyperledger Based Private Blockchain.</i> Conference: 2021 2nd International Conference for Emerging Technology Authors: S Reno , I Sadi, J Karmakar, M Abir DOI: 10.1109/INCET51464.2021.9456418	INCET 2021 Karnataka, India <i>ieeexplore.ieee.org</i> Scopus Indexed
	08	<i>Securing Ride-Sharing Service Using IPFS and Hyperledger Based on Private Blockchain.</i> Conference: 2021 International Conference on Computer and Information Technology Authors: MS Hossan, ML Khatun, S Rahman, S Reno , M Ahmed Status: 10.1109/ICCIT54785.2021.9689814	ICCIT 2021 Dhaka, Bangladesh <i>ieeexplore.ieee.org</i> Scopus Indexed

- 09 ***Securing Medical Forensic System Using Hyperledger Based Private Blockchain.***
Conference: 23rd International Conference on Computer and Information Technology, Proceedings 2020
Authors: M Ahmed, ***S Reno***, N Akter, F Haque
DOI: 10.1109/ICCIT51783.2020.9392686
ICCIT 2020
Dhaka, Bangladesh
ieeexplore.ieee.org
Scopus Indexed
- 10 ***Detection of Counterfeit Medicine Using a Private and Permissioned Blockchain.***
Conference: 2022 2nd Asian Conference on Innovation in Technology
Authors: M Ahmed, ***S Reno***, M Ferdous, RM Shama
DOI: 10.1109/ASIANCON55314.2022.9909424
ASIANCON 2022
Ravet, India
ieeexplore.ieee.org
Scopus Indexed
- 11 ***Face Mask Detection using Viola-Jones and Cascade Classifier.***
Conference: 2022 International Conference on Augmented Intelligence and Sustainable Systems
Authors: S Tasfia, ***S Reno***
DOI: 10.1109/ICAISS55157.2022.10011114
ICAISS 2022
Trichy, India
ieeexplore.ieee.org
Scopus Indexed
- 12 ***Preventing Selfish Mining in Public Blockchain using Alarming Block and Block Interval Time Approach.***
Conference: 2022 International Conference on Augmented Intelligence and Sustainable Systems
Authors: ***S Reno***, *S Sultana*
DOI: 10.1109/ICAISS55157.2022.10010734
ICAISS 2022
Trichy, India
ieeexplore.ieee.org
Scopus Indexed
- 13 ***Analysis of Netcode, Latency, and Packet-loss in Online Multiplayer Games***
Conference: 2022 International Conference on Augmented Intelligence and Sustainable Systems
Authors: M Ahmed, ***S Reno***, MR Rahman, SH Rifat
DOI: 10.1109/ICAISS55157.2022.10010926
ICAISS 2022
Trichy, India
ieeexplore.ieee.org
Scopus Indexed
- 14 ***Utilizing Hyperledger Based Private Blockchain Technology to Secure Credit Card Payment System***
Conference: 2022 25th International Conference on Computer and Information Technology
Authors: SJ Chowdhury, E Aich, ***S Reno***, M Ahmed
DOI: 10.1109/ICCIT57492.2022.10054775
ICCIT 2022
Cox's Bazar, Bangladesh
ieeexplore.ieee.org
Scopus Indexed
- 15 ***Securing Certificate Management System Using Hyperledger Based Private Blockchain.***
Conference: 2022 International Conference on Innovations in Science, Engineering and Technology
Authors: ***S Reno***, M Ahmed, SA Jui, S Dilshad
DOI: 10.1109/ICISSET54810.2022.9775834
ICISSET 2022
Chittagong, Bangladesh
ieeexplore.ieee.org
Scopus Indexed
- 16 ***Securing Smart Card Management Using Hyperledger Based Private Blockchain.***
Conference: 2022 3rd International Conference for Emerging Technology
Authors: N Akter, F Haque, ***S Reno***, M Ahmed
DOI: 10.1109/INCET54531.2022.9825176
INCET 2022
Karnataka, India
ieeexplore.ieee.org
Scopus Indexed
- 17 ***Utilizing Hyperledger Fabric Based Private Blockchain and IPFS to Secure Educational Certificate Management***
Conference: 8th IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering 2022
Authors: MJ Alam, S Hossain, A Shekh, ***S Reno***
Status: Accepted for Publication
IEEE WIECon-ECE 2022
IIIT Naya Raipur, India
ieeexplore.ieee.org
Scopus Indexed
- 18 ***Securing E-Passport Management Using Private-Permissioned Blockchain and IPFS***
Conference: 3rd International Conference on Electrical, Computer and Communication Engineering
Authors: N Jahan, ***S Reno***, M Ahmed
Status: Accepted for Publication
ECCE 2023
Chattogram, Bangladesh
ieeexplore.ieee.org
Scopus Indexed

RESEARCH & PUBLICATION • BLOCKCHAIN & MACHINE LEARNING (CONTINUED)

Research Paper for Springer AISC Book Series	19	<i>Utilizing Off-Chain Storage Protocol for Solving the Trilemma Issue of Blockchain.</i> Conference: 3rd International Conference on Emerging Technologies in Data Mining and Information Security Authors: S Reno , MM Haque DOI: 10.1007/978-981-19-4676-9_14	ITEMS 2022 Kolkata, India <i>springer.com</i>
Research Paper for Springer LNEE Book Series	20	<i>Utilizing Ethereum-Based Lending System to Prevent Defaulting on Loans.</i> Conference: 4th International Conference on Data, Engineering and Applications 2022 Authors: S Reno , MK Turna Status: Accepted for Publication	IDEA 2k22 Bhopal, India <i>springer.com</i> Scopus Indexed
Research Paper for Springer AIS Book Series	21	<i>Utilizing Hyperledger-Based Private Blockchain to Secure E-Passport Management.</i> Conference: 3rd International Conference on Data Intelligence and Cognitive Informatics Authors: N Jahan, S Reno DOI: 10.1007/978-981-19-6004-8_46	ICDICI 2022 Tirunelveli, India <i>springer.com</i>
Research Paper for Springer LNNS Book Series	22	<i>Utilizing Deep Convolutional Neural Networks for Image-Based Plant Disease Detection</i> Conference: 7th International Conference on Inventive Systems and Control Authors: S Reno , MK Turna, S Tasfia, M Abir, A Aziz Status: Accepted for Publication	ICISC 2023 Coimbatore, India <i>springer.com</i> Scopus Indexed
	23	<i>Securing Farm Insurance Using a Private-Permissioned Blockchain Driven by Hyperledger Fabric and IPFS</i> Conference: 2nd International Conference on Network Security and Blockchain Technology Authors: NT Haque, Z Tasnim, AR Chowdhury, S Reno Status: Accepted for Publication	ICNSBT 2023 Medinipur, India <i>springer.com</i> Scopus Indexed

LECTURING COURSES • THEORY

Serial	Course Title	Course Code	Credit	Level – Term	Semester
01	Computer Graphics	CSE – 413	03	4 – 2	Fall – 2020, 2021, 2022 & Spring – 2021, 2022
02	Digital Image Processing	CSE – 427	03	4 – 1	Fall – 2019 & Spring – 2020, 2021
03	Basic Mechanical Engineering	ME – 181	02	1 – 2	Fall – 2020, 2021 & Spring – 2022
04	Compiler	CSE – 303	03	3 – 1	Spring – 2019 & 2020
05	Object Oriented Programming Language	CSE – 205	03	2 – 1	Spring – 2022 & Fall – 2022
06	Artificial Intelligence	CSE – 403	03	4 – 1	Spring – 2019
07	VLSI Design	CSE – 411	03	4 – 2	Fall – 2019
08	Computer Interfacing	CSE – 405	03	4 – 1	Fall – 2021
09	Algorithms	CSE – 215	03	2 – 2	Fall – 2022

LECTURING COURSES • LAB

Serial	Course Title	Course Code	Credit	Level – Term	Semester
01	Artificial Intelligence Sessional	CSE – 404	0.75	4 – 1	Spring – 2019
02	Compiler Sessional	CSE – 304	0.75	3 – 1	Spring – 2019, 2020, 2022 & Fall – 2020
03	VLSI Design Sessional	CSE – 412	0.75	4 – 1	Fall – 2019
04	Computer Graphics Sessional	CSE – 414	0.75	4 – 2	Fall – 2020, 2021, 2022 & Spring – 2021, 2022

05	Computer Interfacing Sessional	CSE – 406	0.75	4 – 1	Fall – 2021 & Spring – 2022
06	Algorithms Sessional	CSE – 216	1.5	2 – 2	Fall – 2022
07	Object Oriented Programming Language Sessional – I (C++)	CSE – 206	1.5	2 – 1	Spring - 2021, 2022 & Fall – 2022
08	Object Oriented Programming Language Sessional – II (Java)	CSE – 220	1.5	2 – 2	Fall – 2020 & 2021
09	Assembly Language Sessional	CSE – 210	0.75	2 – 2	Fall – 2019, 2021 & Spring – 2021, 2022
10	Numerical Analysis Sessional	CSE – 216	0.75	2 – 2	Fall – 2020 & Spring – 2021 (Department of Civil Engineering)
11	Data Communication Sessional	CSE – 318	0.75	3 – 1	Spring – 2021
12	Computer Programming Sessional	CSE – 110	1.5	1 – 2	Fall – 2022 (Department of Electrical and Electronic Engineering)

SKILLS • INCLUDING VERIFIED – LINKEDIN SKILL ASSESSMENT BADGE

In Programming	C Java	C++ JavaScript	C# Note.js	MATLAB Python
Web Development	HTML WordPress	CSS Bootstrap	PHP	React
Database	Oracle	MySQL	SQLite	MongoDB
Simulator	CISCO Packet Tracer	Proteus		
Operating Systems	Windows	Ubuntu 20.04 LTS		
Data Analytics & General Aptitudes	Weka Visio Corporate Communication Social Media Management	Excel Access Project Management Corporate Negotiation	PowerPoint Outlook Community Development Leadership	Word Notes Training & Mentoring Public Speaking

COURSES & WORKSHOP: INCLUDING CREDIT HOURS

Professional Development	Graphic Design for Learning & Earning Development Project <i>An initiative of Informational and Communication Technology Division, Ministry of Posts, Telecommunications, and Information Technology, Bangladesh.</i>	ICT Division, Bangladesh Feb 2017 – May 2017
	GDG Android Apps Development <i>An initiative of Bangladesh Association of Software and Information Services, Bangladesh</i>	BASIS, Bangladesh Nov 2015
	Industrial Visit to the Mobile Switching Center at Grameenphone <i>An institutional visit of Bangladesh Army International University of Science & Technology</i> <i>Credit Hours: 1.00</i>	Grameenphone MSC, Cumilla, Bangladesh Dec 2018
Blockchain	Hyperledger Fabric 2.x - First Practical Blockchain <i>Distance Learning Course</i>	Udemy
	Ethereum and Solidity: The Complete Developer's Guide <i>Distance Learning Course</i>	
Personal Growth	Crisis Communication <i>Distance Learning Course</i>	LinkedIn Learning

LANGUAGES

- English
Professional Working Proficiency
- Bengali
Native Proficiency
- Hindi
Limited Proficiency

COMMUNITY SERVICE & VOLUNTEERING ACTIVITIES

In Leadership	BAIUST Debate Club – President <ul style="list-style-type: none">Monitored continuously the club's progress toward goal accomplishment and activities.Used to lead the entire membership in a well-rounded program of activities and projects.Contributed to appointing committee chairs and delegating tasks as necessary, recruiting, training, and retaining members.	Cumilla Cantonment, Bangladesh Nov 2016 - Nov 2017
In Administration	BAIUST Cultural Club – General Secretary <ul style="list-style-type: none">Played the administration role in the club to make each meeting meaningful.Organized the annual cultural night at the Darbar Hall, Cumilla Cantonment, in 2016.Used to work with the president to complete the annual achievement report and other award applications.	Cumilla Cantonment, Bangladesh Nov 2015 - Apr 2016

AWARDS & HONORS

Best Paper Award	Best Paper in Technical Session 1.3 (Data Science and Advanced Analytics I)	IEMIS 2022	Kolkata, India Feb 25, 2022
Best Technical Presentation Award	Best Paper in AI, IoT, ML, DL Section	IEEE WIECon-ECE 2022	Chattogram, Bangladesh Dec 30, 2022
International Award	Finalist at International Blockchain Olympiad	IBCOL Foundation	Dhaka, Bangladesh Oct 10, 2021
National Award	Finalist at Blockchain Olympiad Bangladesh	IBCOL Foundation	Dhaka, Bangladesh Feb 27, 2021
Academic Honor	6 Vice Chancellor's List Certificates	Bangladesh Army International University of Science & Technology (BAIUST)	Cumilla Cantonment, Bangladesh 2015-2018
Scholarship	20% - 40% Waiver for Achieving VC List Certificates from 1st-6th Semester	Bangladesh Army International University of Science & Technology (BAIUST)	Cumilla Cantonment, Bangladesh 2015-2018
Title Holder	Champion in BAIUST Debate Competition	BAIUST Debate Club	Cumilla Cantonment, Bangladesh May 10, 2017
National Award	Finalist at NASA Space Apps Challenge 2016	SpaceApps, NASA	Dhaka, Bangladesh Apr 24, 2016
Scholarship	General Quota in Higher Secondary Certificate Scholarship	Ministry of Education, Bangladesh	Cumilla, Bangladesh Jan 27, 2014
Scholarship	Talent-Pool Quota in Junior Scholarship	Ministry of Primary and Mass Education, Bangladesh	Cumilla, Bangladesh Apr 20, 2009
Scholarship	Talent-Pool Quota in Primary Scholarship	Ministry of Primary and Mass Education, Bangladesh	Cumilla, Bangladesh Feb 05, 2006

REFERENCES

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