

Romana Mahjabin Eshita

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RESEARCH INTERESTS

Cybersecurity, Distributed System, Blockchain

PUBLICATIONS

Ifteher Alom, **Romana Mahjabin Eshita**, Anam Ibna Harun, Md Sadek Ferdous, Mirza Kamrul Bashar Shuhan, Mohammad Javed M Chowdhury, Mohammad Shahidur Rahman. **Dynamic Management of Identity Federations using Blockchain**. Proceedings of the IEEE International Conference on Blockchain and Cryptocurrency 2021, 1337322157.

RESEARCH EXPERIENCE

Research Assistant | [SUBSEL](#) (Shahjalal University Blockchain and Security Laboratory) March 2020 - Present

- **Research Supervisor:** Dr. Md. Sadek Ferdous
- Developed a Blockchain based dynamic identity federation
- Modified the SimpleSAMLphp to allow parties to join federation in real time
- Used Hyperledger-fabric for Blockchain part

EDUCATION

Shahjalal University Of Science And Technology

BSc. (Engineering) in Computer Science, 2016-2020

CGPA: 3.19/4.00

RESEARCH PROJECTS

A Web of Trust Model and its Application Leveraging Blockchain Technology January 2019 – February 2020

- Proposed a transaction based verification process
- A trust score algorithm has been designed based on verification process
- Built a p2p lending web application where proposed trust score system is implemented

ACADEMIC PROJECTS

Vote | *Nodejs API, Hyperledger-fabric, Go, Bootstrap* July 2018 – December 2018

- A decentralized, scalable, and secure area based E-Voting web application

Magic Remote | *Java, Android* July 2017 – December 2017

- An android app for controlling computer using Bluetooth

Online Class Management | *Servlet, JSP* January 2019 – June 2019

- An online course management application implemented using JSP and Servlet

TECHNICAL SKILLS

Languages: Go, C/C++, Java, Python, JavaScript, HTML/CSS

Frameworks: React, Material-UI

Developer Tools: Git, Docker, AWS, GOLand, VS Code, Eclipse

Libraries: Matplotlib, NumPy

AWARDS & ACTIVITIES

- Awarded Sports Scholarship, Shahjalal University of Science and Technology 2019
- Chair at IEEE WIE, SUST Student Branch 2019-2020
- Vice-Chair at IEEE Computer Society Chapter, SUST Student Branch 2019-2020
- Captain of Inter Department women's handball and volleyball team 2018-2019
- Participated in Code Samurai: An inter-university Hackathon 2019