

# Redwan Ahmed Rizvee

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## Education

### Department of Computer Science and Engineering, University of Dhaka

Dhaka, Bangladesh

MASTER OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING

2021

- **CGPA:** 4.00/4.00, **Rank:** 1<sup>st</sup>

### Department of Computer Science and Engineering, University of Dhaka

Dhaka, Bangladesh

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING

2018

- **CGPA:** 3.85/4.00, **Rank:** 1<sup>st</sup>

## Research Interest

- Data Mining, Sequential Pattern Mining, Machine Learning, Natural Language Processing, Time Series Analysis, Big Data Analysis.

## Publications

[Google Scholar's Profile](#)

- **Sliding window based weighted periodic pattern mining over time series data**, Redwan Ahmed Rizvee, Md Shahadat Hossain Shahin, Chowdhury Farhan Ahmed, Carson K. Leung, Deyu Deng, Jiaxing Jason Mai, 19th Industrial Conference on Data Mining, ICDM 2019, New York, USA, July 17-21, 2019, pp 118-132.
- **An efficient approach for mining weighted frequent patterns with dynamic weights**, Umama Dewan, Chowdhury Farhan Ahmed, Carson K. Leung, Redwan Ahmed Rizvee, Deyu Deng and Joglas Souza, 19th Industrial Conference on Data Mining, ICDM 2019, New York, USA, July 17-21, 2019, pp 13-27.
- **Tree-Miner: Mining Sequential Patterns from SP-Tree**, Redwan Ahmed Rizvee, Chowdhury Farhan Ahmed, Mohammad Fahim Arefin, 24th Pacific-Asia Conference on Knowledge Discovery and Data Mining, PAKDD 2020, Singapore, May 11-14, 2020, [https://link.springer.com/chapter/10.1007%2F978-3-030-47436-2\\_4](https://link.springer.com/chapter/10.1007%2F978-3-030-47436-2_4).

## Experience

### TigerIT Bangladesh Limited

<http://www.tigerit.com/>

RESEARCH SCIENTIST

2020 - PRESENT

- Currently engaged in research team. Our goal is to design state-of-the-art products ensuring both users' satisfaction and business objectives.

### Data and Design Lab

<https://www.dndlab.org/>

RESEARCH ASSISTANT

2019 - 2021

- Main challenges were to analyse different heterogeneous data to discover important insights and design strategic decisions to make different policies to approach various real-life phenomena.
- A project under this lab to understand the socio-economic condition of Bangladesh can be found in, <https://bdqol.dndlab.org/>
  - **Responsibility:** Was part of data collection, logic formation and core development.

### ASWAR LLC

ASSOCIATE SOFTWARE ENGINEER

Jun. 2019 - Feb. 2020

- stack: Django, Vanilla JS, React Native
- Marnita : <https://projects.marnitastable.org/>
  - **Contribution:** We developed the project module of the website.

### Bangladesh Rural Advancement Committee (BRAC)

Dhaka, Bangladesh

JUNIOR CONSULTANT

Apr. 2019 - Sep. 2019

- In this project, I with fellow teammates designed a system to uniquely identify beneficiaries who are taking various services from BRAC's different programs based on only their basic information in spite of having repetition, spelling mistakes and variation.

## Awards and Acknowledgements

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### Azfar Alam Memorial Gold Medal

2018-2019

FOR ACHIEVING EXCELLENT RESULTS FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, UNIVERSITY OF DHAKA, SESSION 2014-15.

### Dean's Award

2018-2019

FOR OUTSTANDING ACHIEVEMENT FROM THE FACULTY OF ENGINEERING AND TECHNOLOGY, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, UNIVERSITY OF DHAKA.

### Fellowship Scholarship

September, 2019

ICT DIVISION, PEOPLE'S REPUBLIC OF BANGLADESH

## Skills

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<b>Programming Language</b>	C, C++, Java, Python, 80x86 Assembly.
<b>Machine Learning and Data analysis</b>	PyTorch, Pandas, SciPy, Scikit-learn, Gensim.
<b>Python Framework</b>	Django, React Native, Flask
<b>Software and Code Maintenance</b>	Github, Bitbucket, Docker.
<b>Web Development Language</b>	HTML5, CSS, Javascript, Bootstrap, PHP, React, Node.js, Express .
<b>Mobile Application Development</b>	React Native, Android.
<b>Operating Systems</b>	Windows, Ubuntu.
<b>Database Management</b>	MySQL, Oracle SQL, PostgreSQL, Firebase.

## Extracurricular Activities

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### CSEDU Student's Club

2017-2018

ASSISTANT GENERAL SECRETARY

### ICPC Dhaka Regionals

2017

DU LEVANTER

Rank: 21

### Shoshikkha

2017

WRITER

<http://shoshikkha.com/>

## References

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### Dr. Chowdhury Farhan Ahmed

PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, UNIVERSITY OF DHAKA.

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### Dr. Moinul Islam Zaber

ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, UNIVERSITY OF DHAKA.

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### Dr. Md. Mosaddek Khan

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