

Md Shifat Haider Al Amin

MdShifat_AlAmin@student.uml.edu | <https://www.linkedin.com/in/shifat-haider-al-amin-406695121/>

21 Gershom Avenue
Lowell, MA - 01854
Self: (978) 726 - 3782

EXPERIENCE

Teaching Assistant (Fall 24 - Spring 25)

Machine Learning/Deep Learning Security & Data Base 2- TA during Spring 25 (Current Semester)
Algorithm - TA during Fall 24
University of Massachusetts, Lowell

Teaching Assistant (Fall 23 - Spring 24)

Computing Lab 1030- Taught during Fall 23
Computing Lab 1040 - Taught during Spring 24
University of Massachusetts, Lowell

Teaching Assistant (April 2019- October 2019)

TA for Linear Algebra, Calculus 1, Numerical Analysis
Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh

Research Assistant (October 2020- August 2022)

Graph Drawing and Visualization Laboratory
Department of Computer Science and Engineering, BUET, Dhaka - 1000

EDUCATION

University of Massachusetts, Lowell

PhD in Computer Science (Cont.)
CGPA: 3.567 (till now)
Semester: 4th Semester

Bangladesh University of Engineering & Technology, Dhaka - 1000, Bangladesh

Masters in Science in Mathematics (Computational)

Thesis Topic: Enumeration, Classification, & Counting of Spanning Trees in Plane 3-Trees

University of Dhaka, Dhaka - 1000, Bangladesh

Bachelors of Science in Mathematics

SKILLS

Language : Python, C, Maple, Fortran
Documentation & Presentation: Microsoft Office suite, Latex
Graph Visualization: yED

EXTRA-CURRICULAR ACTIVITIES

Member of Bangladesh Mathematical Society: May 2012- August 2022

Public Relation Officer – Volunteer for Bangladesh: Jan 2019 – May 2019

Core Volunteer – Save the Children in Bangladesh: Jan 2017 – Oct 2018

Community Leader – UNDP and US EMBASSY: Jan 2017 – Dec 2018

AWARDS/HONORS RECEIVED

Fellowship: Graduate Teaching Assistantship & National Science and Technology Fellowship (Thesis)

RELEVANT COURSE WORKS

- Calculus, Analytic and Vector Geometry, Linear Algebra
- Real Analysis, ODE, Numerical Analysis, Differential Geometry
- Complex Analysis, Abstract Algebra, Mechanics, Linear Programming, Discrete Mathematics
- Special Function and Integral Transform -1, Tensor Analysis, PDE, Theory of Numbers, Hydrodynamics, Mathematical Biology, & Integer Programming

Volunteering Experiences

VOLUNTEER FOR BANGLADESH

Public Relation Officer: Dec. 2018 - June 2019

Activities:

Project SOS (School of Survivor): VBD-Dhaka District arranged an iftar session with Orphans, Old aged home people, Traffic Sergeant during the holy month of Ramadan where my role was as team leader.

Project Amar khatay Bornomala (Alphabet in my notebook): It's a two month long notebook, stationary & Backpack collection and donation program for underprivileged children where I acted as a team leader. I almost collected 1000 kg papers & made 980 copies from these papers. I distributed these copies in 10 deprived schools which are located mostly in Dhaka & another one is Narsingdi.

Project ELSP(Eco Leadership Project): A 03 months school campaign for training and growing awareness for using trash bins and cleanliness of school campuses.

Project GKC (Great Kindness Challenge): Every year 'Volunteer for Bangladesh' arranges this event where we offer a bouquet & wishing letter to the country's most unsung-heroes where I played role as a team leader of several zones of Dhaka district.

SAVE THE CHILDREN

Core Volunteer: August 2017-October, 2018

Activities:

Project Bridging the gap: A worldwide known campaign which ran over in 80 countries where this project aimed to collect the urban children untold stories. This initiative aims to bring young people, who have access to opportunities that give them a chance at having a bright future, closer to those who don't have the same opportunities and are left behind in progress because of who they are and where they live. This project theme was #Everylastchild. Where I acted as a core team member of this project.

BDCYCLISTS

Volunteer: Jan 2016- march 2016

BDCyclists is a community based social network primarily based on Dhaka, Bangladesh. The instinct that drives BDCyclists, is to promote cycling in order to help ease pollution, traffic congestion in the city and maintain a healthy lifestyle.

ACKNOWLEDGEMENT:

For my dedication in the project 'Amar khatay Bornomala' (Alphabet in my notebook), I have been selected as 'Volunteer of the Month' for the month of May. I have been appreciated by everyone for my tremendous dedication in this project.

ACKNOWLEDGEMENT:

Our #everylastchild campaign globally recognized & we felicitated as a #Everylastchildwarrior and certified by "Save the children in Bangladesh".

ACKNOWLEDGEMENT:

I hold the Guinness World Record for the longest single line of moving bicycles, cycling in a single file line down the Purbachal Highway in Dhaka.