

Adiba Mahbub Proma
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EDUCATION	Doctor of Philosophy in Computer Science , 2021-Present <i>University of Rochester, Rochester, NY, USA</i> Advisor: Dr.Ehsan Hoque Field: Human-Computer Interaction Research Interests: HCI, AI, Climate Change, Network Analysis
	Bachelor of Science in Computer Science and Engineering , 2016-2019 <i>BRAC University, Dhaka, Bangladesh</i> CGPA: 3.97/4 Thesis topic: Analyzing Ensemble Learning Algorithms using Cluster Analysis of Binary Classification Problems
PUBLICATIONS	A. Proma , M. S. Islam, S. Ciko, R. A. Baten, E. Hoque. NADBenchmarks – a compilation of Benchmark Datasets for Machine Learning Tasks related to Natural Disasters . The Role of AI in Responding to Climate Change, AAAI Fall Symposium Series, November 2022
	M. S. Islam, A. Proma , Y. Zhou, S. N. Akter, C. Wohn, E. Hoque, KnowUREnvironment: An Automated Knowledge Graph for Climate Change and Environmental Issues , The Role of AI in Responding to Climate Change, AAAI Fall Symposium Series, November 2022
	M. S. Islam, A. Proma , C. Wohn, K. Berger, S. Uong, V. Kumar, K. S. Korfmacher, and E. Hoque, SEER: Sustainable E-commerce with Environmental-impact Rating . Journal of Cleaner Environmental Systems (under review), 2022, arXiv preprint arXiv:2209.06156
EXPERIENCE	Contractual Lecturer, BRAC University Jan 2020-Dec 2020 Courses conducted: Introduction to computing(CSE101), Data Structures(CSE220), Algorithms(CSE221), Microprocessors(CSE341), Compilers(CSE420)
	Research Assistant, Can-aware: Interactive system for breast cancer awareness, screening and referral 2018-2021 Contributions: Developed algorithm for initial risk assessment and early detection of breast cancer; developed a smart interactive system for breast cancer awareness Funding: ICT division of Ministry of Posts, Telecommunications and Information Technology, Bangladesh
	Intern, Tech for Development Unit, BRAC Skills Development Program, BRAC Bangladesh Feb 2020-Jul 2020 <i>BRAC SDP is an initiative by BRAC NGO in Bangladesh to increase the job placement of workers in the informal sector</i> Contributions: Designed an intelligent system for the field-level operations team to predict the loan eligibility using ensemble learning
AWARDS AND HONORS	Highest Distinction, BRAC University <i>Awarded to students graduating with CGPA greater than 3.8</i>
	Vice Chancellor's list, BRAC University Awarded for 8 semesters <i>Awarded to students with GPA greater than 3.9</i>
	Dean's list, BRAC University Awarded for 2 semesters <i>Awarded to students with GPA between 3.70 - 3.89</i>
	Performance-based scholarship, BRAC University 2017-2019 <i>75 per cent tuition-waiver</i>
	Merit-based scholarship, BRAC University 2016-2017

70 per cent tuition-waiver

Country highest in Mathematics in IAL, 2014 Daily Star Awards

World Highest in Mathematics-B in IGCSE, 2013 Edexcel Awards

TECHNICAL SKILLS

Programming Languages: Python, Java, HTML, CSS, Javascript, React, C++, Arduino, 8086emu

Database: SQL

Scientific computing: Matlab

Applications: LATEX, Tableau

TEACHING EXPERIENCE

Teaching Assistant, University of Rochester Sep 2021-Dec 2022

Courses conducted: Human Computer Interaction (CSC-212/412), Undergraduate Problem Seminar (CSC200H), Database Systems (CSC261)

Student Tutor, BRAC University May 2018-Aug 2019

Courses conducted: Programming Language I (CSE161- Basic Programming in Java), Data Structures (CSE220), Digital Logic Design (CSE260)

ADDITIONAL ACTIVITIES

Testing Assistant, Office of Disability Resources, University of Rochester
Sept 2022 - Present

- Proctoring tests for students with additional needs to improve access

Feature Writer, The Daily Star Jan 2016-Apr 2020

The Daily Star is one of the leading English newspapers of Bangladesh

- Researched on local and international trends and collaborated with other writers to generate ideas for the weekly sections Lifestyle and Next Step
- Wrote *articles* related to social issues, career development, musings, and lifestyle for print and online platform

Co-author, The Mason Jar

Published two short stories - The Swing, Build a bae - as part of a book published by Worthy Publications

Feature Editor, BracuExpress Jun 2017-Aug 2018

BracuExpress is BRAC University's student-run campus newspaper