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Sakil Sarker
Graduate Research Assistant

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EDUCATION

Bachelor of Science in Computer Science and Engineering, East West University	Apr. 2017 — Jun. 2021
Master of Science in Computer Science, Ontario Tech University	Sept. 2024 — Present

RESEARCH INTERESTS

- Human-Computer-Interaction (HCI)
- Artificial Intelligence (AI) &
- Large Language Models (LLMs)

RESEARCH EXPERIENCE

Published

Focusing on the Unfocused: Understanding the Impact of Online Interactions with Small-Scale Non-Profit Organizations Working for Benefit of Street Children in Bangladesh, Rudaiba Adnin, Ishita Haque, Sadia Afroz, Alvi Md. Ishmam, Sakil Sarker, Md. Kafi Khan, Afsana Mimi, Sriram Chellappan, and A. B. M. Alim Al Islam. **ACM Journal on Computing and Sustainable Societies**, Volume 1, Issue 1, Article No.: 1, pp 1–29, DOI

K-Cosine-Medoids Clustering Algorithm, Md. Kafi Khan, Syed Mahmud Ahmed, Sakil Sarker, Mozammel H A Khan. 2021 5th International Conference on Electrical Information and Communication Technology (EICT), DOI

K-Cosine-Means Clustering Algorithm, Md. Kafi Khan, Sakil Sarker, Syed Mahmud Ahmed. 2021 International Conference on Electronics, Communications and Information Technology (ICECIT), DOI

In Preparation

Exploring Social Media Trends to Get Insights on the Sentiments of the People of Bangladesh in the Time of COVID-19, Md. Kafi Khan, Sakil Sarker, Md Nayeem. Github Link

A taxonomy of research addressing both psychological and physical well-being technologies, Sakil Sarker. Github Link

STANDARDIZED TEST SCORES

- IELTS: Overall 7.5 (L:8, R:6.5, W:7, S:7.5)

WORKING EXPERIENCE

Graduate Research Assistant and Teaching Assistant Ontario Tech University <ul style="list-style-type: none">Assisting faculty members in research focused on Human-AI Interaction and Large Language Models (LLMs).Supporting undergraduate courses through lab sessions and tutorial assistance.	September 1, 2024 — Present Oshawa, Ontario, Canada
Software Engineer BJIT Group <ul style="list-style-type: none">Working as a SAP full-stack developer, specializing in SAP ABAP and FIORI development.	October 1, 2021 — Present Baridhara DOHS, Dhaka
Undergraduate Teaching Assistant East West University <ul style="list-style-type: none">Assisted enrolled students in understanding theoretical concepts in programming and the debugging process as a Lab Assistant.	September 2019 — June 2021 Dhaka, Bangladesh
Deep Learning Research Intern Xu Lab, Carnegie Mellon University (Remote Internship) <ul style="list-style-type: none">Collaborated on leveraging machine translation for protein structure prediction.Conducted experiments to enhance the performance of deep learning models.	May 13, 2021 — October 2021 Pittsburgh, PA, United States

CERTIFICATIONS

Python Programming: A Concise Introduction	View Certificate
Machine Learning Foundations: A Case Study Approach	View Certificate
Computer Vision Basics	View Certificate
Image Data Augmentation with Keras	View Certificate

HONORS AND SCHOLARSHIPS

Dean's Scholarship

East West University,

Medhalalon Fund Scholarship

East West University,

Ranked 2nd in "SAP ABAP and Fiori" Training

BJIT Group,

Summer 2019 — Summer 2020

Aftabnagar, Dhaka, Bangladesh

Summer 2020 — Summer 2021

Aftabnagar, Dhaka, Bangladesh

October 2021 — December 2021

Baridhara DOHS, Dhaka

NOTABLE PROJECTS

Brain Tumor Detection Using Deep Learning

[View Project](#)

Apriori Algorithm Implementation with Python

[View Project](#)

Web Crawler using Python

[View Project](#)

School Management System Using PHP

[View Project](#)

E-commerce Website Using Django

[View Project](#)

SKILLS

Programming Languages Python, C, C++, JavaScript, PHP, JAVA, ABAP, FIORI,

Frameworks React Js

Libraries/Packages Pandas, Numpy, Matplotlib

Other Skills Tableau, HTML, CSS, Bootstrap, GitHub, git, Mysql, Latex, etc.

REFERENCES

Prof. Dr. Md. Mozammel Huq Azad Khan

Professor, Department of

Computer Science & Engineering

East West University

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Mostofa Rafid Uddin

Graduate Research Assistant, School of

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Carnegie Mellon University

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