MD. Zahidul Islam

MACHINE LEARNING RESEARCHER · SOFTWARE ENGINEER

Matlab Uttar, Chandpur, Bangladesh

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Research Interest

Computer Vision, 3D Reconstruction, AR/VR, Computer Graphics

Education

Hajee Mohammad Danesh Science and Technology University(HSTU)   *Dinajpur, Bangladesh*

B.Sc. IN COMPUTER SCIENCE AND ENGINEERING   *Jan 2018 - Dec 2021*

- CGPA: 3.381/4.00 [Result published in 2023]
- Was heavily involved in volunteering in depatmental clubs and programming community

Work Experience

RedDot Digital Limited   *Gulshan 1, Dhaka, Bangladesh*

ASSISTANT SOFTWARE ENGINEER   *Dec. 2024 - Present*

- Skills: Laravel, Vue.js, ProcessMaker, Docker, MySQL
- I'm currently developing a multi-tenant SaaS application for Board Management targeting the large companies of Bangladesh.
- I developed approval flows with for the 2nd largest Telco company of Bangladesh - Robi
- Develop features for the popular ProcessMaker framework according to the user requirement.

RedDot Digital Limited   *Gulshan 1, Dhaka, Bangladesh*

INTERN SOFTWARE ENGINEEER   *Jul 2024 - October 2024*

- Learned industry best practices of laravel and vue.js
- Explored and started developing in Processmaker framework

Department of Computer Science, HSTU   *Dinajpur, bangladesh*

RESEARCH ASSISTANT   *Aug. 2014 - Apr. 2016*

- R&D Project titled "An Efficient Masked Face Recognition System", **funded by the Ministry of Science & Technology** , Bangladesh
- Supervised By Md. Abu Marjan, Assistant Professor, HSTU
- Collected primary masked face data and built a CNN based masked face recognition system

Research Experience

PUBLISHED

Masked Face Recognition System using Extended VGG-19   *IEEE*

MA MARJAN, M HASAN, **MZ ISLAM**, MP UDDIN, MI AFJAL   *Dec. 2022*

- 2022 4th International Conference on Electrical, Computer & Telecommunication Engineering (ICECTE)
- DOI: 10.1109/ICECTE57896.2022.10114484

Interpretable Blending Ensemble Learning Models for Cardiovascular Disease Prediction   *IEEE*

SM HAQUE, **MZ ISLAM**, TS ETY, MA HAMJA, K FATEMA, M HASAN   *Dec. 2024*

- 2024 International Conference on Recent Progresses in Science, Engineering and Technology (ICRPSET)
- DOI: 10.1109/ICRPSET64863.2024.10955903

Tribal Dress Identification using Convolutional Neural Network   *JIHMSP*

MF RABBI, MN SULTAN, M HASAN, **MZ ISLAM**   *2022*

- Journal of Information Hiding and Multimedia Signal Processing
- www.jihmsp.org/2023/vol14/N3/02.JIHMSP-230501.pdf

NOT PUBLISHED YET

Speckle Noise Removal from Retinal OCT Images via GAN and Multiple Weighted Loss Functions

MZ ISLAM, MS FERDOUS, P SARKER, P BHOWMIK, MA MARJAN, MP UDDIN

- Undergrad thesis

An Explainable Deep Learning Approach for COVID-19 Masked Face Recognition Toward Enhanced Security

Heliyon

MZ Islam, MA Marjan, M Hasan, MP Uddin, MI Afjal

2025

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Honors, Awards & Competitions

2025	**Star Developer**, RedDot Digital Townhall		*RedDot Digital*
2024	**Keynote Speaker**, Insider Tips to Crack the IELTS with Confidence		*CSE Club of HSTU*
2019	**1st Runner-Up**, Intra-University Programming Contest		*Department of CSE*
	Perticipated in several Inter/Intra-University Programming Contests,		

Projects

SecureBoard
under development

Laravel, Alpine JS, PostgreSql, Redis, Docker, Kubernetes, Gitlab CI/CD

Aug 2025 - Present

- A SaaS application to manage company board meetings. Multi tenant architecture, Single application, isolated DB and filesystem.
- I am key resource in this project. My responsibilities include requirement clarification from the Board Members of Robi, design the multi-tenant system and the DB transaction plan and development

Robi Workflow Mangement System
workflow-bpa.robi.com.bd

Laravel, Vue JS, MySQL, Horizon, Echo server, Redis, Docker, Kubernetes, Gitlab CI/CD

Dec 2024 - July 2025

- This uses ProcessMaker as the base system. We modify and extend this system to cater to the user requirement.
- Robi is the 2nd largest Telco company of Bangladesh having 3000 employees. This project manages the approval flows of different kinds of application like Expense claim, NOC application, Contract, Sourcing etc. This platform also manages approval, expiry and renew to other Robi's system the company uses for various purposes.

Save Researchers

Javascript

2023

- A Chrome extension that modifies the Google Scholar page to save the researcher's profile and export the necessary data as a CSV file.

Several other undergrad level projects built with Python frameworks

Standarized Tests

IELTS	**8**,		*2023*

Extracurricular Activity

Programmers Arena
Department of CSE, HSTU

Organizing Secretary

2023

- Led initiatives to increase student participation in programming activities, workshops, and competitions.
- Coordinated events and collaborated with faculty and peers to strengthen the club's presence.

CSE Club of HSTU
Department of CSE, HSTU

Publication Secretary

2021-2022

- Managed public relations, communications, and outreach activities for the club.
- Oversaw the publication of updates, newsletters, and official announcements.

CSE Club of HSTU
Department of CSE, HSTU

Assistant Publication Secretary

2019-2021

- Supported publication activities by preparing and circulating departmental and club news.
- Assisted in building communication channels among students and faculty.

Programmers Arena
Department of CSE, HSTU

Executive Member

2018-2019

- Contributed to organizing club activities and provided operational support to senior members.
- Assisted in planning and execution of programming-related events.