

MD Tamim Hossain

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EDUCATION

Bachelor of Science in Computer Science and Engineering

Khulna University of Engineering & Technology

CGPA: **3.73**/4.00 (Average **3.86** in last 4 semester)

Award Dean's list in 3rd and 4th year

Khulna, Bangladesh

Jan, 2018 — Feb, 2023

THESIS

Aligning Raw Images to Improve Low Light Photos — Supervised by Dr. Sk. Md. Masudul Ahsan

- Developed an image processing pipeline utilizing burst photography to enhance the signal-to-noise ratio (SNR) in extremely low-light conditions, with a custom dataset created for evaluation by manipulating handheld RAW image data and aligning and merging burst images to produce high-quality, low-noise results.

RESEARCH INTERESTS

- Computer Vision
- Data Science
- Artificial Intelligence
- Deep Learning

WORKING EXPERIENCE

Lecturer, Department of Computer Science and Engineering

Premier University

Chattogram, Bangladesh

Nov, 2023 — Present

- Conducted undergraduate courses in Image Processing and Computer Graphics, Neural Network and Fuzzy Logic, Software Engineering and Information System Design and Internet Programming in collaboration with other faculty members.
- Implemented and maintained Outcome-Based Education (OBE) curriculum-based learning to ensure effective knowledge transfer and skill development.
- Supervised thesis students on deep learning and computer vision research topics, guiding them through project development and research methodologies.
- Organized and facilitated extracurricular activities to enhance students' learning experiences beyond the classroom.

Adjunct Faculty, Department of Computer Science and Engineering

International Islamic University Chittagong

Chattogram, Bangladesh

June, 2023 — Oct, 2023

- Taught variety of courses including Competitive Programming, Database Management System and Computer Graphics.
- Create comprehensive course materials, including notes, slides, and assignments to facilitate effective learning.
- Provide valuable advice to students on course selection and career pathways.

PROJECTS

Nobanno

Technologies: Python, Keras, Tensorflow

System Development

- An android application for rice leaf disease recognition using machine learning was developed to detect 3 of the most common rice leaf diseases, with InceptionV3 model achieving the highest accuracy on the dataset used in the project.

3D Amusement Park

Technologies: C++, OpenGL

Computer Graphics

- The project is focused on designing a 3D computer graphics scene that includes various elements such as rides, lighting, texturing, and object interactions to create a visually appealing and interactive environment.

EShop.com

Technologies: HTML, CSS, ASP.net

Web Development

- An e-commerce platform where users can buy and sell products online, with an admin panel to manage the platform, using Microsoft SQL Server as a database management system.

ENGLISH PROFICIENCY

IELTS(Academic): Expected results in the first week of November 2024

SKILLS

- **Programming Languages:** C, C++, Python, Java, HTML, CSS, Javascript
- **Framework and Libraries:** Tensorflow, Keras, OpenCV, Bootstrap, Node.js
- **Developer Tools:** Git, Google Colab, VS Code, Visual Studio

LEADERSHIP & ACTIVITIES

Head of Media and Publications

KUET Photography Society - KUETPS

KUET

Jan, 2022 — Feb, 2023

- Successfully organized and managed both Intra-University photography contests and a National Photography Exhibition, showcasing exceptional leadership and event planning skills.
- Conducted basic photography classes, workshops, and collaborated with renowned photographers to develop skills and share knowledge within the club and the wider community.

General Member

SGIPC-Special Group Interested in Programming Contest

KUET

Jan, 2019 — Feb, 2023

- Participated in weekly programming contests, consistently improving problem-solving skills and competitive programming abilities.
- Organized and managed monthly programming competitions for junior members, while also arranged programming workshops and classes to foster their growth, enhance coding skills, and encourage active participation within the club.

Volunteer

Project Hashimukh

Chattogram

2018 — 2022

- Organized fundraising initiatives and facilitated donations to support the education of underprivileged children.
- Coordinated relief efforts during national crises such as floods and the COVID-19 pandemic, providing essential aid and resources.

AWARDS

University Merit Scholarship

2018-2023

1st Place, Intra KUET Photography Exhibition, KUET

2022

Champion, Intra Department Football Tournament, KUET

2022

7th Place, Intra KUET Programming Contest, KUET

2019

Runners up, Fresher's League, KUET Debating Society

2019

Merit Scholarship, Chittagong Board, Bangladesh

2015

REFERENCES

Dr. Sk. Md. Masudul Ahsan

*Professor, Department of Computer Science and Engineering
Khulna University of Engineering Technology, Khulna*

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Profiles: [University](#) — [Google Scholar](#) — [LinkedIn](#)

Dr. K. M. Azharul Hasan (Advisor)

*Professor, Department of Computer Science and Engineering
Khulna University of Engineering Technology, Khulna*

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