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EDUCATION

M.Sc. in Computer Science and Engineering

JANUARY 2025 - PRESENT

Computer Science and Engineering Discipline
Khulna University, Khulna-9208

B.Sc. in Computer Science and Engineering

JANUARY 2020 - JANUARY 2025

Computer Science and Engineering Discipline
Khulna University, Khulna-9208

- GPA: 3.77 out of 4.00
- Thesis: *"Text Generation from Bengali Sign Language (BdSI) Image using Convolutional Neural Networks"*
- Supervisor: Prof. Dr. Rameswar Debnath

HSC

JANUARY 2018 - DECEMBER 2019

Govt. Majeed Memorial City College, Khulna-9100

- GPA: 5.00 out of 5.00

SSC

JANUARY 2016 – DECEMBER 2017

Bothla Secondary School, Bhandaria, Pirojpur

- GPA: 5.00 out of 5.00

EXPERIENCE

Teaching Assistant

Computer Science & Engineering Discipline
Khulna University

AUGUST 2025 – PRESENT

- Assisting in undergraduate-level courses, including conducting lab sessions, tutorials, and grading assignments.

- Supporting faculty members in curriculum development and research supervision.
- Guiding students in projects and helping them strengthen problem-solving and analytical skills.

Lecturer

North Western University

JULY 2025 – PRESENT

- Delivering undergraduate courses in core computer science topics.
- Preparing and presenting lectures, lab instructions, and course materials.
- Mentoring students in academic and professional growth while fostering an engaging classroom environment.
- Involved in departmental activities and curriculum design for effective teaching outcomes.

Adjunct Lecturer

North Western University

JANUARY 2025 – JULY 2025

- Delivered undergraduate-level courses in Computer Science and Engineering.
- Designed and prepared course materials, including lecture slides and lab exercises.
- Conducted lectures, tutorials, assignments, and class tests to assess student learning.

Intern

Appstick

DECEMBER 2023 – JANUARY 2024

- Developed components for web applications using ReactJS.
- Gained hands-on experience with state management, component-based design, and UI/UX improvements.
- Collaborated with the team to enhance front-end performance.

PUBLICATIONS

COMPAS 2025

- Submitted paper titled “*A Lightweight CNN-Based Framework for Real-Time Bengali Sign Language Recognition and Translation*”.

- Current status: Under Review.

IEEE CS BDC Symposium 2024

- Paper title: "Text Generation from Bengali Sign Language Image using Convolutional Neural Networks"
- Published Abstract: [Text Generation from Bengali Sign Language Image using Convolutional Neural Networks | IEEE CS BDC Symposium 2024](#)

SYMPOSIUMS

IEEE CS BDC Symposium 2024

- Attended on IEEE CS BDC Symposium 2024 at Jagannath University, Dhaka, Bangladesh

SYNERGYX 2024

- Participated at Innovation Showcasing segment in SynergyX2024 | National Symposium on Industry-Academia Collaboration for ICT-Enabled Bangladesh at Khulna University, Khulna, Bangladesh.
- Poster title: "Text Generation from Bengali Sign Language Image using Convolutional Neural Networks".
- Website Link: [SynergyX 2024 | Innovation Showcasing](#)

ACHIEVEMENTS & CERTIFICATES

Introduction to AI and Machine Learning on Google Cloud

- Online Transcript: [Coursera Certificate](#)
- Verification Link: [Verify Here](#)

Internship on ReactJs from Appstick

- Online Transcript: [Appstick | Intern](#)

MS Excel Basics for Beginners

- Online Transcript: [Bohubrihi-Certificate | MS-Excel-Basics-for-Beginners](#)

PowerPoint Masterclass

- Online Transcript: [Bohubrihi-Certificate | PowerPoint-Masterclass](#)

Innovation Showcasing

— Online Transcript: [SynergyX2024 | Innovation Showcasing](#)

Datathon

— Online Transcript: [SynergyX2024 | Datathon](#)

EDGE

- Completed a 4 months long course on Python with Data Science Basics offered by the Enhancing Digital Government and Economy (EDGE) project of the Bangladesh Computer Council (BCC) under the ICT Division.
- Online Transcript: [EDGE | Python with Data Science](#)

AWARDS

- 2024, 2nd Runner-Up at University Innovation Hub Program (UIHP), KUICI Competition
- 2024, 7st Runner-Up at Innovation Showcasing, National Symposium on Industry-Academia Collaboration for ICT-Enabled Bangladesh
- 2021, 2022, 2023, Academic merit-based scholarships, Khulna University.

KEY PROJECTS

CSEKU_SDP_2023_AudioAura_a_MP3_Player

- A Windows-based MP3 player built with Java.
- Repo: [AudioAura_a_MP3_Player](#)

Neurone_Onuraunon

- A dynamic platform for solving mathematics olympiad-level problems. Built with HTML, CSS (Bootstrap), and JavaScript.
- Repo: [Neurone_Onuraunon](#)

CSEKU_Exam_Scheduler

- A GUI app made with Python to help in the making of Exam Schedule.
- Repo: [Exam_Scheduler](#)

Apartment_Hunt

- A web app for renting hotels, built using the Next.js framework.
- Repo: [Apartment_Hunt](#)

Small Tools

- A Chrome extension offering features like a calculator, password generator, and color picker.
- Repo: [Small-Tools-a-Google-Extension](#)

OverflowQuest

- OverflowQuest is a simple search engine to find questions and answers for StackOverflow dataset. This application is built using Streamlit, a powerful and easy-to-use framework for creating interactive web applications directly from Python.
- Repo: [Overflow-Quest](#)

Sheba-XYZ

- A web app connecting users to professional service providers, built using ReactJS (TypeScript), Node.js, Express.js, and MongoDB.
- Repo: [Sheba-XYZ](#)

CyberTeen-LLM

- Contributed to LLM and Android App development in collaboration with CyberTeen Foundation.
- Website: [Foundation Website](#)

SKILLS

- Programming Languages: C, Java, Python, JavaScript, TypeScript, LaTeX
- Frameworks: ReactJS, Next.js, ExpressJS
- Tools: MS Word, MS PowerPoint, MS Excel, Git, Streamlit
- Other: Data Science, Machine Learning, UI/UX Design

EXTRA CURRICULAR

General Secretary

Club for Updated Search on Computer (CLUSTER)

CSE Discipline, Khulna University, Khulna

MARCH 2024 – FEBRUARY 2025

- Led and organized workshops, seminars, and technical events to promote technological awareness and skill development among students.

- Fostered a collaborative learning environment by facilitating student-led projects and peer mentorship programs.
- Successfully managed organizational responsibilities, including resource allocation, event planning, and communication between students and faculty.

Campus Manager
University Innovation Hub Program (UIHP)

August 2024 – December 2024

- Coordinated events to foster innovation and collaboration.
- Website: [Campus Manager | UIHP](#)

Convenor
SynergyX2024 Management Committee

November 2024

- Oversaw operations for the National Symposium on Industry-Academia Collaboration for ICT-Enabled Bangladesh.
- Website: [SynergyX2024 | Committee](#)

REFERENCES

Prof. Dr. Rameswar Debnath

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 Khulna University, Khulna-9208, Bangladesh
 Phone: +8801715-182784
 Email: rdebnath@cseku.ac.bd

Dr. Manishankar Mondal

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