

Ahasan Kabir

Software Engineer

@ ahasankabir146@gmail.com

+880 1751 642527

Ahasannn in ahasankabir

Bangladesh

https://ahasannn.github.io/

Education

BSc in Computer Science & Engineering

Chittagong University of Engineering and Technology

Jan 2018 - July 2023

Chattogram, Bangladesh

- CGPA: 3.49 / 4.00

Research Experience

Publications

- "BEmoLexBERT: A Hybrid Model for Multilabel Textual Emotion Classification in Bangla by Combining Transformers with Lexicon Features" at EMNLP 2023
- "Multi-label Sentiment Analysis of Product Reviews of Online Shop" at BIM 2023
- "BEMOFUSIONNET: A DEEP LEARNING APPROACH FOR MULTIMODAL EMOTION CLASSIFICATION IN BANGLA SOCIAL MEDIA POSTS" at ICCIT 2023

Research Assistant

CUET NLP Lab

Sept 24 - Present

Chattogram, Bangladesh

- Developing a benchmark and robust framework for RAG-based Bengali open-domain question answering.

Undergraduate Thesis

Chittagong University of Engineering and Technology

March 2018 - July 2018

Chattogram, Bangladesh

- Design a hybrid model for emotion detection in Bangla, integrating lexicon features with pre-trained transformer models.

Teaching Experience

Competitive Programming Trainer

International Islamic University Chittagong

Jan 2022 - Sept 2022

Chattogram, Bangladesh

- Conducted over 20 training sessions on **Algorithms** and **Data Structures** for more than 100 students.
- Reformed & coached the programming teams and they achieved 2nd & 3rd place in two Inter University Programming Contests.

Teaching Assistant

Chittagong University of Engineering and Technology

March 2018 - July 2018

Chattogram, Bangladesh

- Worked as a TA for Structured Programming Course.
- Provided individual support for students to clear concepts

Projects

Real-Time Expression Detector

- Built a body language decoder to detect expression in real-time from live videos using machine learning algorithms in **Python**.

FameBiz

- This team project involved developing a platform to connect fans with celebrities, where I implemented the backend using TypeScript, NestJS, MongoDB, and REST API.

Professional Experience

Software Engineer (Remote)

Kinetik Healthcare Solutions, Inc.

May 2023 - Present

New York, United State

- Developing a iOS Mobile App from scratch
- Worked with **TypeScript**, **NodeJs**, **NestJs**, **gRPC** on Backend and **Swift** on Frontend

Software Engineer Intern

AppCode Inc.

Nov 2022

Dhaka, Bangladesh

- Designed **RESTful** API Endpoints with **Go**

Test Scores

- GRE: 327/340 (Quant: 169, Verbal: 158)
- TOEFL: 99/120 (R : 28, L: 26, S: 22, W: 23)

Achievements

International Collegiate Programming Contest (ICPC)

- ICPC Asia West Continent Final Contest
 - 22th in 2022, 25th in 2021

Inter University Programming Contest

- 9th among 114 teams in BUET IUPC 2022.
- 1st among 64 teams in Tech Carnival 2021.
- 1st among 48 teams in RMSTU IUPC 2021.

Individual Coding Competitions

- Meta Hacker Cup 2021.
 - Qualification: 38th out of 34584 participants
 - Round 1: 116th out of 12692 participants
- Codeforces [Username: AK.]
 - Max Rating: 2094-Candidate Master (Top 1%)
 - Solved over 3300 problems
- Participated in more than 330 rated contests.

Skills & Interests

- Programming: C/C++, Swift, Python, JavaScript
- Interests: LLM, RAG, ML, DL, NLP, Vision

Activities

Vice President

CUET Computer Club

Aug 2022 - April 2023

- Arranged workshops, seminars & contests.
- Developed an annual plan for the club.