

Ahasan Kabir

Software Engineer

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Bangladesh

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Education

BSc in Computer Science & Engineering Chittagong University of Engineering and Technology

Jan 2018 - July 2023

Chattogram, Bangladesh

- CGPA: 3.49 / 4.00

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

Uddhar - Emergency Calling Application

February 2023 - March 2023

- We have proposed a prototype design to increase the response rate by adding location tracking and better resource allocation by adding AI models for "National Emergency Service 999".
- Became **1st runners-up** out of 70+ teams at the "Mobile App Game & Job Festival 2023" organized by ICT Division, Bangladesh.

Real-Time Expression Detector

Sept 2021 - Dec 2021

- Built a body language decoder to detect expression in real-time from live videos using machine learning algorithms in **Python**.
- Captured coordinates of facial expressions and gestures
- Detected happy, sad, and victory expressions with an average accuracy of **94%**

Skills & Interests

- Programming Language:** C/C++, Swift, NodeJs, Python
- Data Structures, Algorithms, Large Language Models**

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

Professional Experience

Software Engineer (Remote)

Kinetik Healthcare Solutions, Inc.

May 2023 - Present

New York, United State

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

Software Engineer Intern

AppsCode Inc.

Nov 2022

Dhaka, Bangladesh

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

Achievements

International Collegiate Programming Contest (ICPC)

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

Inter University Programming Contest

- 9th** among 114 teams in BUET IUPC 2022.
- 15th** among 97 teams in RUET IUPC 2022.
- 1st** among 64 teams in Tech Carnival 2021.
- 1st** among 48 teams in RMSTU IUPC 2021.

Individual Coding Competitions

- Reached **2nd** round on Google Code Jam 2022.
- 168th** among 7147 in Kickstart Round B 2022.
- Reached **2nd** round on Meta Hacker Cup 2021.
- 36th** among 34584 in Meta Hackercup Qualification Round - 2021
- Codeforces [Username: AK.]
Max Rating: 2094-Candidate Master (Top 1%)
 - Solved over 3200 problems (Ranked 91th)
 - Participated in more than 330 rated contests.

Activities

Vice President

CUET Computer Club

Aug 2022 - April 2023

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

Judge & Problem Setter

- CUET CSE Fest - Inter University Programming Contest 2022.
- IIUC CSE Fest Programming Contest 2022.