

# HABIBULLAH

Competitive Programmer & Teaching Assistant

 Mirpur-2, Dhaka  
 Habib Ullah

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## EDUCATION

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### B.Sc. in Computer Science and Engineering

Bangladesh University of Business and Technology  
Mirpur-2, Dhaka, Bangladesh

Feb 2019 – April 2023  
CGPA: 3.78/4.00 (SGPA 4.00 in 3 Sem.)

## EXPERIENCE

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### Teaching Assistant

BUBT

January 2023 – Current

Dhaka, Bangladesh

#### CSE 112 : Structure Programming Language Lab

My responsibilities were:

- ▶ Help to prepare question papers, mark schemes, and taking contests according to the standard rules.
- ▶ Evaluate students' assignments and written works.

### Competitive Programming Instructor

BUBT Programming Community

Feb 2021 – Jan 2023

Dhaka, Bangladesh

My responsibilities were:

- ▶ Conducting classes on different topics of competitive programming like Data structures, Algorithms, etc.
- ▶ Keeping regular performance updates of the contestants.
- ▶ Along with others, preparing problem sets for the BUBT Intra programming contest.

## RESEARCH WORK

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### Human Activity Recognition using Deep Learning Approach

B.Sc Project/Thesis

March 2022 - May 2023

Python, Google Colab, Anaconda, Tensorflow

### Improve Convolution Neural Network with Transfer Learning Approach for Cat and Dog image Classification

NCIM-2023

Submitted - May 2023

Python, Google Colab, Anaconda

### A Practical Approach of Threat Modeling against Realworld Adversaries for FinTech BDC SS 2022

IEEE CS

Accepted - Nov 2022

Python, Google Colab

## ACHIEVEMENTS

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- ▶ Honorable Mention among 165 teams **ICPC DHAKA REGIONAL 2021**
- ▶ Solved 1600+ programming problems in different online programming judges.
- ▶ 30<sup>th</sup> among 300+ teams in Orbitax SUST SWE Technovent Brain Station 23 Hackathon 2023.
- ▶ Placed 19<sup>th</sup> among 54 teams in **UITs IUPC 2023**
- ▶ Placed 7<sup>th</sup> among 35 teams in **UITs Collaborative Programming Contest 2022 (BUBT, IUBAT, UITs)**
- ▶ Placed 2<sup>nd</sup> among 50 participants in **BUBT Intra-University Programming Contest 2020**
- ▶ Hold Position in Top 5<sup>th</sup> in all 6 **BUBT Intra-University Programming Contest**
- ▶ Placed 5<sup>th</sup> in Bangladesh and positioned 229<sup>th</sup> among 7000+ contestant in **Codechef Round COOK141D**
- ▶ Runners-up among 1000+ contestant in **Battle of Intelligence 2.0**
- ▶ Max rating 1468 in **Codechef** , Max rating 1370 in **Codeforces** and Max rating 1452 in **Leetcode**

# PROJECTS

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## CODEMIND |

26th Jan – 28th Jan 2023

React, Mern Stack

- ▶ **BS-23 Hackathon** - React and MERN Stack-based algorithm visualizer.
- ▶ Programming help platform with OpenAI Assistant integration.

## Tutor Finder Application |

March 2022 – Jun 2022

Flutter

- ▶ Flutter-based cross-platform mobile app.
- ▶ For finding and connecting with local tutors sorted by ratings, subjects, and profiles.

## Smart Phone Shop Ecommerce Website |

Aug 2021 – Nov 2021

PHP, MySQL, Javascript

- ▶ PHP, MySQL, HTML, CSS, and JavaScript-powered e-commerce shopping websites.
- ▶ Payment gateway and order system.

## Desktop and laptop shop and management system |

January 2021 – March 2021

C#, Dot Net, MySQL

- ▶ A Desktop application built with C# and Dot Net.
- ▶ Using Visual Studio, utilizing a MySQL database to manage and store data.

# TECHNICAL SKILLS

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**Programming Languages:** C, C++, Python, Java, JavaScript, SQL.

**Frameworks & Libraries :** PyTorch, Numpy, Pandas, TensorFlow.

**Database** : Oracle, MySQL , MongoDB.

**IDE** : Visual Studio, Visual Studio Code, Netbeans, Android Studio, CodeBlocks, Sublime Text.

**Other Tools** : Git & Github, Latex , Linux.

# EXTRA-CURRICULAR ACTIVITIES

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## Problem Solver

Feb 2019 – Current.

- ▶ Participated in 4+ onsite programming contest.
- ▶ Participated in 300+ online programming contests during my 4 years of the undergraduate program.

## Problem Setter & Judge

## BUBT Programming Community

Dhaka, Bangladesh

Nov 2021 – current

- ▶ Planning, managing, writing & collecting problem-sets and tests the problem datasets in BIUPC.
- ▶ Judge in BUBT Intra Programming Contest 2022 and 2023.

## Organizer, Coordinator and Workshop Experience

Feb 2019 – Jan 2023

Dhaka, Bangladesh

- ▶ Part of the coordinator team in **ICPC Asia-West continent Final 2021**
- ▶ Head of the Organizer and coordinator at **Programming Camp BUBT 2022 & 2023**
- ▶ Part of the coordinator and manager team in **National IT competition for Youth and Disabilities in 2023**
- ▶ Soft Skills **Problem-Solving, Critical Thinking, Communication, Teamwork, Creativity, Attention to Detail, Responsibility.**

## Workshop Experience

IIT,University of Dhaka

September 2022

Dhaka, Bangladesh

The role of mathematics in critical thinking by Jubayer Rahman Nirjhor (AlphaQ) and other top IMC(IOI) members.

- ▶ Solving and analyzing Math Olympiad techniques in programming.