



Gulam Kibria Chowdhury

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Profile

Proficient in [Algorithms and Data Structures](#) and love to solve algorithmic problems also I am familiar with different types of [ML](#) and [DL](#) algorithms. I have worked on some of the problems of [Image Processing](#). Solved nearly 1300 programming problems in different online judges. Participated in more than 10 national contests and more than 180 online contests.

Education

B.Sc (Engg.) in Computer Science and Engineering

North East University Bangladesh, Sylhet

- Feb 2017 – May 2021
- Obtained CGPA: 3.63 out of 4

Academic Research

Researched in *["Improved Image Pre-processing for Better OCR Performance"](#)* Supervised by Tasnim Zahan, Assistant Professor, Head of the CSE Department, NEUB.

Participation

National Undergraduate Mathematics Olympiad

- Qualified and Participated in [NUMO Sylhet Regional 2017,2018,2019](#)

International Collegiate Programming Contest (ICPC)



- Qualified and Participated in [ACM ICPC Asia Dhaka Regional Contest, 2019, 2020](#).
- Ranked Among Top 90 in ICPC Asia Dhaka Regional Contest, 2020.

Online Judges



- **Codeforces** [Username: [Gulam_Kibria](#)]
Solved 850+ Problems
Participated in 130+ Contests
Max Rating: 1403 (Specialist)
- **Uva** [Username: [Gulam_kibria](#)]
Solved 90+ Problems
- **LightOJ** [Username: [Gulam_Kibria](#)]
Solved 90+ Problems

Projects

Emotion Detection For Facial Expressions

- Basically, this application is developed for Emotion Detection using by CNN Algorithm.
- It is a python base application. Used Keras, TensorFlow, OpenCV, etc.
-  [source](#) |  [demo](#)

Face Recognition Attendance System

- This application is developed for Face Recognition Attendance System using by ML Algorithm KNN & Logistic Regression.
- It is a python base application. Used Sklearn, OpenCV, etc.
-  [source](#) |  [demo](#)

Gender Classification

- This application is developed for Gender Classification using by CNN Algorithm.
- It is a python base application. Used Keras, TensorFlow, OpenCV, etc.
-  [source](#) |  [demo](#)

Map Coloring

- This application is developed for Map Coloring using by AI Algorithm (Forward checking, Forward with MRV and Forward with MRV with Degree) and
- It is a python base application. Used Tkinter.
-  [source](#) |  [demo](#)

Food Court Management System

- Designed and developed a web application for Food Court Management System using HTML, CSS, PHP, MySQL, JavaScript. Complete back-end and little bit front end work left.
-  [source](#)

Skills

- **Languages:** C, C++,Java, Python, PHP, JavaScript
- **Web Technologies:** HTML, CSS
- **Operating System:** Windows, Linux
- **Tools:** Git