

ABU DARDA

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[LinkedIn](#) | [GitHub](#)

SKILLS

- Programming Languages: Python, C++, Java
- Database Experience: MySQL, SQLite
- Data Structures, Algorithms: Geometry, Graph Theory, Dynamic Programming, Number Theory.
- Android app development with Java
- LaTeX, MatLab

PROJECTS

- [Facial Expression Detection \(Python\)](#)
An emotion detection system from facial expressions from photos using CNN
- [Badget \(Java\)](#)
An Android app to track expenses using Java.
- [Employee Management System \(Java\)](#)
Software for controlling employees using Java
- [Hospital Management System \(Python\)](#)
A website for managing doctors, nurses, and patients in any hospital using Javascript and python
- [Android broadcast system \(Java\)](#)
Android app that can broadcast any message to the system

EXPERIENCE

BRAC University

February 2023 – PRESENT

Student Tutor, Department of CSE

ACHIEVEMENTS

- **Champion**, [R@D!X2.0 - BUCC Week - Programming Contest](#) (individual)
- **Champion**, [BRACU Intra-University Programming Contest - BRACU CSE Department](#) (individual)
Team – Fenwick_BRACU
- 32nd, [Traction 2020 IUPC](#) (individual)
- **Codeforces** – max rating 1414 ([abuuDarda](#))
- Solved 1000+ problems in [CodeChef](#) [atcoder](#) [codingame](#) etc.
- [Cefalo CodeFiesta 2022: AUST IUPC](#)
Team – BRACU_Fenwick
- [BUET Inter University Programming Contest 2022](#)
Team – BRACU_Fenwick

EDUCATION

BRAC University

Department of Computer Science & Engineering

- The year 2020 to 2023
- **CGPA: 3.75/4.0**
- Completed credits: **120**
- Neural Networks, Data Science, Image Processing, Natural Language Processing, Android Development, BlockChain, Randomized Algorithms.

Research

[Synthetic Population Simulation](#) (ongoing)

A system to model a large group of people in a specific region using US census and travel data.