

# Badrul Alam Siddique Masfy

Sylhet, Bangladesh

01646885768 | badrulalamsiddique@gmail.com | github.com/Mashfy | linkedin.com/in/mashfy

## Education

### Shahjalal University of Science and Technology

B.Sc(Eng). In Computer Science and Engineering

CGPA: 3.51 out of 4

Sylhet, Bangladesh

Jan 2018 - Feb 2023 (estimate)

### BN School and College

Higher Secondary School Certificate

GPA: 5 out of 5

Chittagong, Bangladesh

Jan 2016 - Dec 2017

## Notable Projects and Thesis

### E-commerce, Seller and Bank

Web Application (3 organizations)

Feb 2022 - Jun 2022

- Organizations (E-commerce, Supplier, Bank) have their own NodeJS backends connected with MongoDB, ReactJS frontends.
- Built a 3-way API calling between organizations for Transaction confirmation, supplied products, and bank balance updates.
- Tools:** MongoDB, Express, React, NodeJs. **Github:** [Source Code](#).

### PocketLencer

Mobile App (Cross Platform)

Aug 2021 - Nov 2021

- The natively compiled app (iOS and Android) was built through MVP (Minimum Viable Product) approach using a single codebase.
- States management is done using BLoC ( Business Logic Components) pattern.
- Tools:** Flutter, Dart, Firebase. **Github:** [Source Code](#).

### Pinkman

Web Application

Feb 2021 - Jun 2021

- Web app is designed with rapid development and clean, pragmatic design with the automatic admin interface of Django.
- Django features are utilized for categorized products view, search products, responsive UI, etc.
- Tools:** Django, MySQL, HTML, CSS, JS. **Github:** [Source Code](#).

### Automate Nest

Internet of things, Mobile App

Feb 2021 - Jun 2021

- Developed a modular home automation system to control home accessories with an android application and basic IoT devices via Bluetooth.
- Tools:** Android Studio, Java, Arduino, Bluetooth Module. **Github:** [Source Code](#).

### Shooting Improvised

Window Application, Java

Mar 2019 - Jul 2019

- A fictional window-based shooting game with multiple gaming features such as random enemy popup, blast animation, etc.
- Tools:** Java Swing. **Github:** [Source Code](#).

## Undergrad Research

### Visual question answering (VQA)

Deep Learning, Computer Vision

Feb 2022 - Present

- Working on a computer vision task where a system must deliver the answer to a text-based question about an image. Currently working on increasing the accuracy for natural image datasets with a synthetic-like natural hypothesis.
- Outcome so far:** A draft extensive review paper on VQA.

## Problem Solving

(450+ total solved)

**CodeForces** mashfy  
**Virtual Judge** 2017331060  
**Hacker Rank** mashfy  
**LeetCode** mashfy

## Skills

**Programming and Frameworks** C, Java, C++, Python, Js, Dart,  $\LaTeX$  Django, NodeJS, TensorFlow.  
**Database** MySQL, MongoDB.