

# Md. Ashiqur Rahman Naeem

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Sylhet, Bangladesh

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## Professional Experience

### Software Developer, Swadeshi Branding Limited

11/2020 – 02/2021 | Dhaka, Bangladesh

Developed the primary e-commerce and the vendor management application of the company using Google's Flutter framework and integrated it with a backend powered by Django APIs

## Skills

Data Structure, Algorithm, C/C++, Java, Python, Dart, MySQL, OOP, Git, Postman API Platform, Linux, Windows

## Achievements in Problem Solving

**Solved more than 1900 data structure, algorithm and mathematics based programming problems**

### Facebook Hacker Cup 2023, Meta

Ranked in the top 9% placing 1856th among 20K+ participants

### Specialist rated at Codeforces.com

Among the top 13% out of 142K+ active users  
Max Rating: 1454

### Google Code Jam 2023, Google

Ranked in the top 16% placing 1321st among 8076 participants

## Education

### B.Sc in Mathematics,

Shahjalal University of Science and Technology

02/2018 – 03/2023 | Sylhet, Bangladesh

Relevant Courses: Programming(C++), Data Structure, Algorithm Design and Analysis, Discrete Mathematics, Fortran, Numerical Analysis, MATLAB

## Projects

### NinjaHonda, Vehicle dashboard/odometer android application and sensor for them

A Flutter based app functions as a vehicle dashboard which displays reading from sensors built on top of ESP-32 integrating hall magnet, Schmitt trigger and optocoupler.

### xxxAutomation,

Remote control solution for home appliance

Flutter app with voice recognition to remotely control home appliances through an ESP-32 board and relay switch, using WiFi and WebSocket.

### Peraless,

Speech recognition solution for old desktop computer

A QT desktop application which activates the speech recognition module of an Android device and inputs the transcribed text into the currently focused textbox of any desktop program.

## Voluntary Works

### Euclid Programming Club,

Programming and Problem solving instructor

2019 – present | Sylhet, Bangladesh

### Robo Adda Programming Contest, Problem setter

2020

## Interests

IoT (Home automation, Wearables and more)

Scripting (Automating tasks with batch/sh script)

Algorithms (Exploring algorithms required behind file extensions such as mp3, zip, jpg)

Frameworks (APIs which directly handles hardware including but not limited to graphics, audio)