

# SIDDHARTHA BARMAN JOY

Dhaka, Bangladesh

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## Education

### Jagannath University

Jan 2017 – Apr 2022

Bachelor of Science in Computer Science and Engineering

Dhaka, Bangladesh

- CGPA: 3.28/4.00

### Narsingdi Model College

Jun 2014 – May 2016

Higher Secondary

Narsingdi, Bangladesh

- GPA: 5.00/5.00

### Nasirabad Government High School

Jan 2009 – Feb 2014

Seccondary

Chittagong, Bangladesh

- GPA: 5.00/5.00

## Competence

- Competitive Programming
- Data Structures & Algorithms
- Database
- Web Backend Development
- Blockchain
- Android Development
- Android Studio

Languages: C/C++, JAVA, PHP

Miscellaneous: Linux, GitHub, LaTeX

Database: SQL(MySQL), Firebase

## Projects

### Here's Your Home [\[Link\]](#)

Dec 2019

- A rental platform that makes finding suitable vacant residences simple
- Features: Email Verification, Search on Map, Customized Map Exploration, Distance & Route Checking, Payment Acknowledgement Email
- Google Map APIs are employed for the features regarding map
- Languages & Tools: PHP, Javascript, SQL, HTML, CSS, Google Map APIs

### Dark Fire [\[Link\]](#)

Oct 2020

- It is, in essence, a fire alarm app
- Appropriate sensors are installed with IoT device which continuously sends the reading to the app
- Hardwares: LM35 (Temperature Sensor), NodeMCU (IoT Platform)
- Languages & Tools: Java, Arduino, Firebase

## Competitive Programming Status & Achievements

- Codeforces Highest Rating: **Specialist (1546)** [Handle:InCarnated]
- Codechef Highest Rating: **3 star (1654)** [Handle:siddharth88]
- Solved around **1600 problems** on various problem solving platforms
- Participated in **2 ICPC Regionals, 6 IUPCs & 250+ online contests**
- **20th** in AUB Inter University Programming Contest
- **1st** in Intra Department Programming Contest, Jagannath University
- Secured place in **Top 30** in Mujib 100 Idea Contest 2021

May 2018

Mar 2019

Dec 2021

## Research Work

### Blockchain Based Access Control Framework for IoT Devices [\[Link\]](#)

Mar 2022

- We proposed an access control framework that is built on *Ethereum* for IoT devices
- Digital Signature of the users were used for verification to access any IoT device
- The access control policy is written on the Smart Contract with *Solidity* language