

## Shusmoy Chowdhury

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Github Profile: <https://github.com/Shusmoy108>

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EDUCATION	<b>Bangladesh University of Engineering and Technology, BUET, Dhaka</b> CSE, 2014 - 2018 CGPA: 3.29/4.00
RESEARCH INTEREST	Neural Network, Convolutional Neural Network, Recurrent Neural Network, Software Engineering, Agile Software Development, Software design, Empirical Software Engineering, Software Repository Mining, Information Retrieval, Enterprise Computing, User experience design, Mobile Application Developments, Code Management System, Machine Learning, Human-Computer Interaction, Human Behavioural Pattern Analysis, API Analysis,
WORKING EXPERIENCE	<b>Lecturer at Southern University Bangladesh (7 April 2019 - Present)</b> Department of Computer Science and Engineering  <b>Full Stack Developer at BigGO Limited (5 April 2018 - 6 December 2018)</b> Working with node js in server side and react js as front end in several projects.
PUBLICATION	<b>Smart Door Unlock System with Android App(Under Review)</b> <i>Journal: International Journal of Advanced Science and Technology</i> An android app connected with hardware where user can lock their home with their android phones. Their face image and voice speech will be used to unlock the house. This system will give more security and safety to the user.
RESEARCH	<b>TuitionHub</b> An android application where students and guardians can find their suitable teacher for their students. It is a human computer interaction research where we tried to analyze the human behaviour of the guardians, students and teachers. We have tried to analyse the education system of developing country like Bangladesh. we are also trying to analyse the behaviour of the users based on their area. <i>Supervisor: Dr. A. B. M. Alim Al Islam, Professor, BUET</i>  <b>Making Bangla OCR(Optical Character Recognition) for all bangla fonts using CNN.</b> We have tried to make a complete OCR for bangla language. Our system will generate a text file of the images of the printed documents. We also found a new technique of segmenting bangla words. <i>Supervisor: Dr. Md Sohel Rahman, Professor, BUET</i>  <b>Dual-Sim</b> It is an android app to make low cost phone calls. When we make a call the app will automatically choose the sim operator which will cost less. The call rate will be taken from the sim websites through web scrawling. <i>Supervisor: Dr. A. B. M. Alim Al Islam, Professor, BUET</i>
COMPUTER SKILLS	<b>Languages:</b> Python, Java, JavaScript, C, C++, Assembly, DART, L <sup>A</sup> T <sub>E</sub> X. <b>Framework:</b> Flutter, Android, Django, Nodejs, React js, React native, Spring MVC, Spring Boot . <b>Database :</b> Relational Database, SQL Database, NoSQL Database
RECENT PROJECTS	<b>Bug Type Detection</b> <b>Framework:</b> Django(Python) It is an mining software where we analyze the different bugs of a project using their

git pull API. We used ITS(Jira) and SCM(github) for this. We detect different type of bugs based on how they solved.

### **BloodDonor**

**Framework:** Flutter

An android application where user can find the bloods in emergency. The Beta version is using in the Chittagong Region. We are working to integrate the google map in the app so that it can be more user friendly.

### **Class Attendant**

**Framework:** Flutter

An android application where teachers can easily take their attendance of different courses also generate the attendance sheet from the app. The teacher can check the class attendance graph of the individual students of each course and analyze the class rate of the course.

### **ProTrack**

**Framework:** Node js and React js

A generic project management software where user can create his own different project templates and create as much as projects of this templates .

### **Home Rental System**

**Framework:** Spring MVC and Spring boot

The home rental system is a social media site where the users are the Tenant and Flat owner for making the communication between them easier. There is also an advertisement section for the flat owners.

### **Sales software and Business Statistics Framework: Android**

An android application for the salesman of the multinational product company to remove the use of papers by cloud so that we can decrease the data loss. The company can get the regional report, are report, and different type of statistics instantly through the app.

### **Hotel Booking System**

**Framework:** Django Framework

A site to compare the price of the different restaurants and hotel rooms and give reservation according to his budget.

## **SUPERVISED PROJECTS**

### **Home-Pharma (Online Medicine Ordering System)**

A web based software where user can see the nearest medicine shop in the map as like as UBER vehicles. He can choose the medicine shop from the map and place his order through image of the prescription or text file. He can also place his order randomly. Any medicine shop owner can accept his order by checking the availability of the medicine. We are following techniques used in UBER for this app.

*Students:* **Aminul Islam Turjo, Ismail Hossain** Southern University Bangladesh

## **ACTIVITIES**

- Designed and Developed a responsive registration site Notre Dam College English Club. It is used every year for participant registration in National English Language Carnival.  
<https://registration.ndec.club/>
- Designed and Developed a responsive website for Science Pathshala an educational platform in Bangladesh.  
<http://www.sciencepathshalabd.com>