

Shusmoy Chowdhury

Email: 1305108.sc@ugrad.cse.buet.ac.bd

Personal Website: <https://shusmoy108.github.io>

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

EDUCATION	Bangladesh University of Engineering and Technology, BUET, Dhaka CSE, 2014 - 2018 CGPA: 3.29/4.00
RESEARCH INTEREST	Bitcoin Technology, Data management in cloud, data centers, and distributed systems, Block chain-based Technologies, System Research, System Optimization, Software Engineering, Agile Software Development, Software design, Empirical Software Engineering, Software Repository Mining, Information Retrieval
WORKING EXPERIENCE	Lecturer at Southern University Bangladesh (7 April 2019 - Present) Department of Computer Science and Engineering Full Stack Developer at BigGO Limited (5 April 2018 - 6 December 2018) Working with node js in server side and react js as front end in several projects.
PUBLICATION	Child Tracking and Hidden Activities Observation System through Mobile App(Accepted-2021) <i>Journal: Indonesian Journal of Electrical Engineering and Computer Science</i> This research designed and developed a system that will help parents to keep monitoring their child activities from anywhere using a mobile phone. This android app uses GPS and Mobile services to find the child location also it secretly stored all the call logs, SMS logs, contact lists, and accurate locations without knowing the children. Children assume that they are using Facebook, browsing the net or watching videos from YouTube. It will not hamper any activities of the child. Parents can check all the activities of children using this app. A Smart Security Solution to Prevent any Mischief with the Vehicles(Accepted) <i>Conference: IEEE Region 10 Symposium (TENSYP) 2021</i> In our research we worked to make a complete model using an Arduino, GSM & GPS to solve the security problem of the vehicles. The owner of the vehicle can control the vehicles engine by sending command through SMS system. If the owner can realized that he/she is not started the vehicle, then the owner can sent back the SMS to stop the vehicle, and also can check the location of vehicle, and the device provide latitude longitude value of the vehicle. Smart Door Unlock System with Android App(Under Review) <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	TuitionHub 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> Making Bangla OCR(Optical Character Recognition) for all bangla fonts using CNN. 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.

Supervisor: **Dr.Md Sohel Rahman**, Professor, BUET

Dual-Sim

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.

Supervisor: **Dr. A. B. M. Alim Al Islam**, Professor, BUET

COMPUTER SKILLS

Languages:Python, Java,JavaScript, C, C++, Assembly, DART, L^AT_EX.

Framework: Flutter,Android, Django, Nodejs, React js,React native, Spring MVC, Spring Boot .

Database : Relational Database, SQL Database, NoSQL Database

RECENT PROJECTS

Bug Type Detection

Framework: 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 craete 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 differnt resturants 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 Pathsala an educational platform in Bangladesh.
<http://www.sciencepathshalabd.com>