




# SOUMIK SARKER

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## ABOUT ME

I am interested in learning new things and solving problems. I am motivated to work with new technologies in a collaborative environment.

## EDUCATION

### 2017 to Present

BSc. in Computer Science and Engineering  
Shahjalal University of Science and Technology, Sylhet

### 2016

Higher Secondary Certificate  
Chittagong College, Chittagong

### 2014

Secondary School Certificate  
Chittagong Collegiate School,  
Chittagong

## TECHNICAL SKILLS

### LANGUAGES

C, C++, C#, JAVA, PYTHON  
PHP, JAVASCRIPT  
SOLIDITY

### FRAMEWORK

ANDROID STUDIO, UNITY  
LARAVEL, REACT, FIREBASE  
TENSORFLOW, KERAS  
HYPERLEDGER FABRIC

### DATABASE

MYSQL

### VERSION CONTROL

GITHUB

### OTHERS

LATEX, PACKET TRACER, MATLAB  
PHOTOSHOP, ILLUSTRATOR



## EXPERIENCE



### Developer

BRAC HNPP APPLICATION DEVELOPMENT  
October 2019 to November 2020



### Research Assistant & Developer

Virtual Reality(VR) based E-learning application for people with Autism  
Funded by SUST Research Center  
July 2019 to June 2020



## THESIS & NOTABLE PROJECTS



### Blockchain Integrated Security-as-a-Service on Cloud Platform Publication: A Survey on Blockchain & Cloud Integration ([arXiv link](#))

I proposed a three-way blockchain-enabled security service (Access control, SSE and Data provenance) on cloud platform.

Platform: AWS Cloud, Hyperledger Fabric



### BRAC Dishari

<http://dishari.brac.net/>

This is a contract project under Brac HNPP department. I developed an android learning app ([playstore link](#)) for Brac health workers and a dashboard for the mentors and central department to monitor.

Tools: Android, Volley, React & ExpressJS, MySQL



### ONNESHA

[github.com/ronodhirSoumik/Onnesha](https://github.com/ronodhirSoumik/Onnesha)

Publication: <https://ieeexplore.ieee.org/document/9333518>

Bangla word completion and sequence prediction model using Trie and a Hybrid approach of Sequential LSTM and N-gram

Tools: Python, TensorFlow



### SHIKHA

[github.com/ronodhirSoumik/SHIKHA](https://github.com/ronodhirSoumik/SHIKHA)

Android-based RPG game. All the assets are designed by myself.

Tools: Unity, C#



### SUST ONLINE EXAM

[github.com/ronodhirSoumik/SUST-online-exam](https://github.com/ronodhirSoumik/SUST-online-exam)

A website to conduct exam and monitor student progress online.

Tools: PHP, Laravel, MySQL



### GURU

[github.com/ronodhirSoumik/GURU-APP](https://github.com/ronodhirSoumik/GURU-APP)

Android application for creating a bridge between students or guardians for good tutors and tuitions.

Tools: Android, Firebase, Google API



## ACHIEVEMENTS



### BRACATHON 3.0

WINNER (Team Nrick)

A digitalized learning approach for the trainees of BRAC.



### SUST TechFest 2019

WINNER (Team Nrick)

A learning module for betterment of people with Autism



### IUT 10th ICT Fest

1st RUNNERS-UP (Team Nrick)

AI module for patients to seek the right doctors or emergency help.