

Sandipon Paul

Love challenges, obsessed with algorithms, passionate learner, focused worker.

UNDERGRADUATE THESIS

Quantum Algorithms and Error Correction

Supervisor: **Dr. Mahbub Alam Majumdar**

EXPERIENCE

CCSE Lab, Dhaka — Researcher: September 2016 - Present

The Center for Cognitive Skill Enhancement (CCSE) Lab is a place to learn, develop and research, ccse.iub.edu.bd. Director: Ali Shihab Sabbir, Email: asabbir@iub.edu.bd

As a researcher, I have been developing working models of automated traffic systems based on image recognition; am also working on a digital signal analysis system of different genre of Bangla folk music. I also learned about Google's Tensor Flow platform, NVIDIA's CUDA Platform and was given a brief training on different development boards like Raspberry Pi.

Fab Lab IUB, Dhaka — Tech Guru: January 2017 - Present

FabLab is a worldwide community with small-scale workshops offering providing different support for fabrication and recently a new FabLab opened at Independent University Bangladesh (IUB). Project Supervisor: Dr. Mahady Hasan, Email: mahady@iub.edu.bd

I was appointed as the Tech Guru. My main responsibilities are communicating with every other lab participants, providing support on machine operation and working on different projects in general. Fundamentally, I provide support for all kinds of tech/software related issues.

Bangla Folkarch, Dhaka: Tech and Media Support Sept 16 - Present

Bangla Folk Archive is an initiative to store and preserve Bengali Folk songs along with the culture, folkarch.iub.edu.bd. Project Technical Coordinator: Ali Shihab Sabbir, Email: asabbir@iub.edu.bd

I am responsible for providing technological support such as maintaining song collections, editing videos and collecting songs with their cultural info. I have redesigned the entire system to provide a more comprehensive solution and provide a genre detection system with the help of collected data.

PROJECTS

National500Apps (Android Project): May 2015 - August 2015

Project Supervisor: Moniruzzaman Khan Ripon, Email: ripondhkbd@gmail.com

My role: As an Android developer, I implemented 25 applications. I created the designs, database and all of the app functionalities (network requests, Json handling, caching, map integration).

Project link: National500apps.psandipon.info

Website Development & Support: October 2016 - Present

My role: As a web developer, I worked on different independent projects. I mainly work on web functionalities, designs, security and general website maintenance.

Project link: ccse.iub.edu.bd, folkarch.iub.edu.bd

CONTACT:

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SKILLS

C/C++, **Java**, JavaScript, HTML, CSS, **PHP**, XML, SQL, MySQL, **Python**, BASH, Bootstrap, **WordPress**, AngularJS, **jQuery**, Polymer, **MS Office**, **Adobe Suite**, **Unix**.

MY SPECIALITIES

Strong Math/Physics Background
Strong OOP concepts
Algorithm Proficiency
Good design sense
Quick learner

LINKS

fb.psandipon.info

[twitter.psandipon.info](https://twitter.com/psandipon)

[linkedin.psandipon.info](https://www.linkedin.com/in/psandipon)

uhunt.psandipon.info

[github.psandipon.info](https://github.com/psandipon)

ccse.psandipon.info

typeracer.psandipon.info

EDUCATION

**BRAC University, Dhaka —
B. S. Computer Science**

January 2013 - April 2017

Special Subjects:

Tensor Analysis	4
Group Theory	4
Mathematical Modelling	4
Theory of Numbers	4
Mathematical physics	3.7

General Subjects:

Programming Language I	4
Programming Language II	4
Data Structures	4
Algorithms	3.7
Circuits and Electronics	4
Digital Logic Design	4
Object Oriented Programming	3.7
Automata and Computability	3.7
Compiler Design	4
-More in transcript.	