



## Partha Sarker

📍 Lamabazar, Sylhet, Bangladesh

☎ +88 01521428057

✉ parthasarker3@gmail.com

## EDUCATION

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2017 – 2021

### B.Sc (Engg.) in Computer Science and Engineering

Shahjalal University of Science and Technology, Sylhet

• CGPA: 3.71 (6 semesters)

2014 – 2016

### Higher Secondary Certificate

Murari Chand College, Sylhet

• GPA: 5.00

2006 – 2014

### Secondary School Certificate

Sylhet Govt. Pilot High School, Sylhet

• GPA: 5.00

## TECHNICAL SKILLS

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Programming Languages    Structured C/C++, Java, Python, C#, JavaScript, SQL

Tools    Unity, Android Studio

Framework and Libraries    Laravel, jQuery, Ajax, JavaFX, openCV, Git

## PROJECTS

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**App Usage Tracker**    Tracks, collects, visualizes android app usage statistics. Also, one can set daily and weekly usage targets for individual apps and get notified about their usage.  
• Java, Android Studio, Firebase [\[Github\]](#)

**Word Segmentation**    Segments bengali handwritten document into words.  
• Python, OpenCV [\[Github\]](#)

**FIGHT**    3d, 1v1, third person multiplayer game for android and windows.  
• Unity, C# [\[Github\]](#)

**Shikha**    2d story-adventure side-scroller game about a village girl running away from the kidnappers.  
• Unity, C# [\[Github\]](#)

**P2P Messaging app**    Implemented java socket programming for chatting and sharing text files over the same WiFi network.  
• Android studio, Java [\[Github\]](#)

**Linear Equation Solver**    Desktop app for solving linear equations via Gaussian elimination method.  
• Unity, C# [\[Github\]](#)

**Find Volunteer**    Web project built for collaborating volunteer and various events organized by the organizations. Join as organization, then create event and post circular. Or, join as volunteer and participate in events.  
• Laravel, PHP, MySQL [\[Github\]](#)

- Practice Note Practice** A personal project for practicing piano notes and their corresponding sheet notation.
- HTML, JavaScript, CSS [\[Github\]](#)
- Offline Diary** Create diaries and store everyday memories on the local machine. Can also store and playback media files.
- Java, JavaFX [\[Github\]](#)
- Glut Polygon drawing** Simple app for drawing and transforming polygon.
- C++, Glut [\[Github\]](#)
- Block the Balls** 2d game for blocking multi-directional balls with uni-directional sticks.
- Unity, C# [\[Github\]](#)
- ECHO** An android app designed for transforming among text, speech and sign languages.
- Android Studio, Java [\[Github\]](#)

## UNDERGRADUATE THESIS

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### Non-restrictive intervention approach for handling excessive smart-phone usage

- Study and design of [App Usage Tracker](#). An android app aiming to mitigate smart-phone overuse.
- Falls under the Human Computer Interaction(HCI) category.
- Conducted an online survey to learn smartphone usage behaviour among individuals.
- Designed a three week experiment for collecting smartphone usage data and validating the effectiveness of non-restrictive intervention method.

## EXTRA CURRICULAR

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- Acoustic guitar and keyboard player and learner. Me playing on [YouTube](#).
- Typemaster at [play.typeracer.com](#)

## AWARDS

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2019 **2<sup>nd</sup> Runner Up**  
SUST Tech Fest, Hackathon

## HOBBIES

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- Playing musical instruments and listening to music.
- Playing video games.
- Video game development.