



## Partha Sarker

📍 Lamabazar, Sylhet, Bangladesh

☎ +88 01521428057

✉ parthasarker3@gmail.com

🌐 <https://github.com/Partha-Sarker>

🌐 <https://www.stopstalk.com/user/profile/Partha>

## EDUCATION

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2017 – 2021 **Studying B.Sc. Eng. in Computer Science and Engineering**

Shahjalal University of Science and Technology, Sylhet, Bangladesh

• CGPA: 3.71/4 (6/8 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#, Basic SQL

**Tools** Unity, Android Studio

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

## PROJECTS

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**App Usage Monitor** 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, Bootstrap [\[Github\]](#)

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

## UNDERGRADUATE THESIS

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Title	<b>Non-restrictive intervention approach for handling excessive smart-phone usage</b> • Study and design of <a href="#">App Usage Monitor</a> . 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.
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## AWARDS AND CERTIFICATES

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2019	<b>2<sup>nd</sup> Runner Up</b> SUST Tech Fest, Hackathon
June 21, 2020	<b>Machine Learning Foundations: A Case Study Approach</b> University of Washington. <a href="#">Certificate</a>
May 31, 2020	<b>Create Your First Chatbot with Rasa and Python</b> Coursera Project Network. <a href="#">Certificate</a>

## EXTRA CURRICULAR

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- Acoustic guitar and keyboard player and learner.
- Typemaster at [play.typeracer.com](http://play.typeracer.com).
- Overall 300+ problem solved on online judges. [StopStalk profile](#).

## HOBBIES AND INTERESTS

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