



## Partha Sarker

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📊 [https://codeforces.com/profile/partha\\_sust](https://codeforces.com/profile/partha_sust)

## 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 <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 <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 Tracker</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

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2019	<b>2<sup>nd</sup> Runner Up</b> SUST Tech Fest, Hackathon
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## EXTRA CURRICULAR

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

## HOBBIES AND INTERESTS

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