Partha Sarker

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EDUCATION

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

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

Tools   Unity, Android Studio

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

PROJECTS

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.
- Unit, 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 crerate event and post circular. Or, join as volunteer and participate in events.
- Laravel, PHP, MySQL, Bootstrap [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, CSS [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

Title — **Non-restrictive intervention approach for handling excessive smartphone usage**

- Study and design of App Usage Tracker. An android app aiming to mitigate smartphone 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.

AWARDS

2019 — **2nd Runner Up**

SUST Tech Fest, Hackathon

EXTRA CURRICULAR

- Acoustic guitar and keyboard player and learner. Me playing on YouTube.
- Typemaster at play.typeracer.com.

HOBBIES AND INTERESTS

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