PARTHA SARKER

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EDUCATION

B.Sc. Eng. in Computer Science and Engineering
Shahjalal University of Science and Technology

2017 – 2021   Sylhet, Bangladesh

CGPA: 3.71/4 (6 semesters)

SKILLS

Programming Languages

Structured C/C++, Java, Python, C#, Basic SQL

Tools

Unity, Android Studio

Framework and Libraries

Laravel, jQuery, Ajax, Bootstrap, JavaFX, OpenCV, git

UNDERGRADUATE THESIS

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.

AWARD

2nd Runner up
SUST Techfest Hackathon

2019   APP: ECHO

EXTRA CURRICULAR

- Acoustic guitar and keyboard player and learner.
- Typemaster at play.typeracer.com.

HOBBIES

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

PROJECTS

Fight [Github]
- 3d, 1v1, third person multiplayer game for android and windows.
- Unity, C#

Shikha [Github]
- Small 2d story-adventure game about a village girl running away from the kidnappers.
- Unity, C#

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

Block the Balls [Github]
- 2d game for blocking multi-directional balls with uni-directional sticks.
- Unity, C#

Glut Polygon drawing [Github]
- Simple app for drawing and transforming polygon.
- C++, GLUT/OpenGL

App Usage Tracker [Github]
- 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.
- Android Studio, Java, Firebase

P2P Messaging app [Github]
- Implemented java socket programming for chatting and sharing text files over the same WiFi network.
- Android Studio, Java

Offline Diary [Github]
- Create and store multiple diaries on the local machine.
- JavaFX, Java

ECHO [Github]
- An android app designed for transforming among text, speech and sign languages.
- Android Studio, Java

Word Segmentation [Github]
- Segments Bengali handwritten document into words.
- Python, OpenCV

Find Volunteer [Github]
- 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