

# DIPTO DEY

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## EDUCATION

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

**Shahjalal University of Science and Technology**

📅 2017 – 2021    📍 Sylhet, Bangladesh

CGPA: 3.82 (6 semesters)

## PROJECTS

### App Usage Tracker [\[Github\]](#)

- An android app that tracks the usage of all installed apps within a smartphone. One can see daily/weekly usage history of any installed app and can set daily/weekly targets.

- Java, Android Studio, Firebase

### Word Segmentation [\[Github\]](#)

- Segment all the lines from a Bengali handwritten document and afterwards segment words from those lines.
- Python, OpenCV

### Land Registry System [\[Github\]](#)

- Activities like transformation of ownership can be performed through this system. It uses concept of blockchain, therefore, these informations will remain safe secured.
- HTML, CSS, Node.js, Express.js, Hyperledger Fabric, GO

### Digital Complain Box [\[Github\]](#)

- Using this android app one can complain about any problem etc directly to respective authorities so that they can take proper steps to resolve the problem and can give updates.
- Java, Android Studio, Firebase

### Kenabecha [\[Github\]](#)

- An E-commerce site where one can post ads and contact with other sellers. It has admin dashboard from where everything inside this website can be monitored.
- HTML, CSS, PHP, Laravel, MySQL

### P2P Chat App [\[Github\]](#)

- An android app for chatting and sharing text files with others who are connected in a same WiFi network. Just one have to know others Ip and Port addresses they are using to create server. Socket Programming is used for this purpose.
- Java, Socket Programming, Android Studio

### QuizApp [\[Github\]](#)

- Using this android app one can conduct mcq exam. Students can access classes using class codes and attend exam. Result is calculated automatically, therefore everyone can see their marks and rank.
- Java, Android Studio, Firebase

### Flying Stickman [\[Github\]](#)

- A simple 2d game.
- Java, JavaFx, Eclipse

### Basic Painter [\[Github\]](#)

- Basic Painter with 4 color brush.
- C++, GLUT/OpenGL, CodeBlocks

## TECHNICAL SKILLS

### Programming Language

- Structured C/C++, Java, Python, SQL

### Server Side Scripting

- PHP, NodeJS (JavaScript)

### Framework, Libraries and Tools

- Laravel, Express.js, JQuery, JavaFx, Android Studio, Git

## UNDERGRADUATE THESIS

### Non-restrictive intervention approach for handling excessive smartphone usage

- Focused on how a non-restrictive intervention(Notification) mitigates one's smartphone usage. Thus, falls under the field of HCI.
- Designed and developed an android app named "[App Usage Tracker](#)" aimed to mitigate smartphone overuse.
- Conducted an online survey to learn individuals awareness about smartphone use.
- Designed a three week long experiment to collect smartphone usage data using "[App Usage Tracker](#)" and validate the efficacy of non-restrictive intervention method.

## EXTRACURRICULAR ACTIVITIES

- Rated Blue on [Codeforces](#). Username: [D\\_D\\_D](#)
- Experience Level: Typist 6  
Skill Level: Typemaster at [play.typeracer.com](#).

## CERTIFICATES

### Introduction to Git and GitHub

#### Coursera

📅 Issued May 18, 2020 📍 Online

- [Certificate](#)

### Basic Image Classification with TensorFlow

#### Coursera

📅 Issued May 28, 2020 📍 Online

- [Certificate](#)

## HOBBIES AND INTERESTS

- Playing Video Games.
- Cycling.
- Sightseeing