

Md. Tanvir Islam

PERSONAL DETAILS

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EDUCATION

Honours in Computer Science (Network Computing Stream)

2014-Present

Carleton University, Ottawa

3rd year

Edexcel International Advanced Level (IAL)

2012-2014

Edexcel International General Certificate of Secondary Education(IGCSE)

2010-2012

TECHNICAL SKILLS

Fluent in **Python**, **JavaScript**, **Node.js**, **HTML**, **CSS**, **C**, **Java** and **C++** and good understanding of languages like, **Scheme**, **Ruby** and **Lua**.

Experienced with libraries like JQuery, frameworks like Python Flask, Express.js, non-relational database like MongoDB, Pug template engine, UML diagrams and some experience with the React.js library and Django Framework.

PROJECTS

TinDrive (Ongoing)

A cloud backup storage system much like the Google Drive. Comes with a registration and login system, a REST API and a front end which provides direct file management of user's file system using a pleasant user interface.

The project demonstrates secure user management, manipulation of the file system on both server and client sides, extensive knowledge on JQuery, ExpressJS, and MongoDB.

Linux Integrated Google Drive

This project aims towards completely syncing the Linux file system with Google Drive. Anything dragged and dropped to the FS will automatically be uploaded to Google Drive.

Chat Room

Used Express Framework, JavaScript, HTML, Pug Template Engine, CSS, MongoDB and Socket.IO with a login/registration system and cookies to maintain all the clients who use the chat website. Github link: <https://github.com/tanvirtin/chat-website>

Snake Game

Used JavaScript, JQuery library, CSS, HTML and Python Flask framework as backend. All the animation for the snake was done using JQuery and CSS which further enhanced my ability in JQuery and CSS. Github link: <https://github.com/tanvirtin/snake>

FTP-Shell

Enables communication between two computers using the File Transfer Protocol. Client machine connects to the server and has remote access to the directory of the server using an interface I designed. Github link: <https://github.com/tanvirtin/FTP-Shell>

File System Tree

A data structure designed using Python multi dictionary to store the file system data in a tree like hierarchy. Github link: <https://github.com/tanvirtin/FSTree>

Concentration Game

A simple game using Python Flask framework, JavaScript, JQuery library, CSS and HTML. Github link: <https://github.com/tanvirtin/memory>

Data Structures

Designed Queue, Deque, Triple ended Queue, Rootish-Array-Stack, Array Queue, Linked Lists, Skip-List, Binary Trees, Binary Search Trees and Scapegoat Trees in both Java and C++.

ACADEMIC ACHIEVEMENTS

Certificate of High Achievement in June 2012 for the Edexcel IGCSE examination for obtaining A+ in subjects.

Carleton University Dean's Honour List in the academic year 2014.

COMMUNICATION SKILLS

Fluent in English and Bengali (reading, writing and aural).

EXTRACURRICULARS

ART

Skilled at sketching life like portraits and drawings.

MUSIC

Skilled at guitar, tabla, keyboard, drums, and bass.

Performed at multiple concerts throughout Bangladesh.

Hosted and organised concerts.

Competed in, and won several national guitar competitions.