**Sakib Adnan**

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# Technical Skills

* **Programming Languages**: Java, C/C++, Python, HTML, CSS, JavaScript, php, git
* **Database Design and management** using SQL, Microsoft SQL Server, NoSQL
* **Operating Systems:** Windows, Linux Ubuntu
* **Knowledge of** Microsoft Word, Excel and PowerPoint

# Technical Work Experience

**Trainee Engineer (Internship)** Jan - Apr 2016

Banglalink Digital Communications Ltd., Dhaka, Bangladesh

* Troubleshot roaming call issues in a team of four using proprietary software in the NSS (Network Switching Subsystem) division to provide roaming customers the best service
* Monitored and debugged the switching of calls, location updating, handovers and call routing etc. in a team using proprietary software providing uninterrupted service to roaming subscribers
* Created and catalogued a database for international SIM cards used for testing and debugging in Microsoft Excel, for easier lookup and access

# Technical Project Experience

**Research Paper Database** Feb - April 2018

Database Systems I (CMPT 354), SFU

* Created a database to store research papers using Microsoft SQL Server Management Studio 2012 for a comprehensive database of engineering/computing papers published at conferences and in journals
* Modeled an ER diagram for the database and implemented key constraints necessary for the papers according to the specifications, to create the most efficient database possible
* Made provisions for triggers so that database can be updated, and the integrity of the attributes and the tables can be maintained

**Hash Table ADT** Sep - Dec 2017

Data Structures and Programming (CMPT 225), SFU

* Wrote code for a dynamic Hash Table using C++ to store objects that are a string and integer pair and allowed for efficient insertion, deletion and search
* Implemented a hash function using Horner’s method that allows for quick hashing run time
* Used separate chaining and open addressing methods to mediate hash table collisions to create an efficient hash table

**CSS Resume Website** Mar 2018 - Present

Self-directed project

* Coded a personal resume website using HTML and CSS styles to create a vibrant website using a progressive enhancement approach, with cross-browser support
* Implemented a flexible and responsive layout using media queries to achieve a webpage that supports multiple devices of varying screen sizes
* Left provisions for further improvement, for adding content using JavaScript but keeping the design as clean and minimal as possible

# Technical Project Experience Continued

**Electrical Engineering Projects** Jan 2011 - April 2015

BRAC University, Bangladesh

* Developed a touchscreen based slate device that uses a Java application to aid teacher and student interaction in a classroom environment
* Created a temperature measurement device using LM35 temperature sensors, relays and 8052 Micro-controller, etc. which could be used in commercial/industrial products to measure extreme temperatures
* Developed a motion sensing water sink using an Arduino, with the program based on C to which senses the motion of the hand to turn the tap on and off and saves water

# Other Work Experience

**Warehouse Associate**  Apr 2018 - Present

Amazon, New Westminster, BC

* Coordinating with a team of associates for stowing daily inventory, keeping track of inventory and numerous other warehouse activities, by multitasking to meet daily deadlines

**Teaching Assistant** Feb 2008 - Jun 2009

Mesh Coaching Center, Dhaka, Bangladesh

* Created and prepared physics lab lessons and taught students the lab exercises by performing them first in a class
* Graded papers and helped individual students outside of regularly scheduled classes who needed more help with their work

# Awards

* Graduated with the grade ‘Distinction’ (3.50) from BRAC University
* Candidate of the countrywide ‘Be the One’ 2014 campaign by Phillip Morris International India in Bangladesh, and was amongst the only 20 students hired to promote the brand as ‘Brand Catalyst’
* Received Dean’s Certificate for outstanding performance during the semester of Summer 2011
* Awarded ‘The Daily Star’ (national newspaper) award and ‘ICAB Education Awards’ for outstanding results in GCE and GCSE examinations

# Education

**B.Sc. in Computing Science** Sep 2016 - Present

* Simon Fraser University, BC, Canada
* Expected Graduation date: 2019

**B.Sc. in Electrical and Electronics Engineering** Jan 2011 - April 2015

* BRAC University, Dhaka, Bangladesh

# Interests

* **Football (Soccer)** in any form: playing it, religiously following most European competitions, especially English football
* Tech enthusiast, with interest in cellphones to computer rigs; managing and updating personal desktop for years; helping friends and family troubleshoot their computer problems
* Fitness: Actively working out for 2 years