MUKUL GAURANG MODI

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OBJECTIVE: Obtain a Summer 2018 Computer Science internship position in data analytics and software development.

EDUCATION

B.S. in Computer Science | The University of Texas at Dallas **|** GPA: 3.51 | Graduation: May 2018
The University of Texas at Austin | August 2014 – May 2016
The University of Texas at San Antonio | GPA: 3.80 | August 2013 – May 2014

PROJECT WORK

Java Projects
- **Emotion Parser:** Program that takes in a text input and attempts to determine the most likely emotional reaction to the given text.
- **Web Crawler:** Web crawler that searches for a user given phrase on a selected website and all sublinked pages
- **Kumon Book Tracking Application:** Allow Kumon owner to keep track of answer booklets being checked out and track which students have a book given at any time
- **Huffman Compression:** Recreated the Huffman algorithm, using frequency trees for lossless data compression
- **Math Matrix Solver:** Created program that models and solves math matrices
- **Recursive Anagram Solver:** Programmed recursive algorithm to unscramble any combination of letters using a given directory

Android Application Projects
- **Smart Actions**: Application that allows users to automate actions based on user-set trigger events.
- **Power Wi-Fi:** Application that automates the activation or deactivation of Wi-Fi and Bluetooth radios
- **Seer:** Application that modifies system volume user-set scheduling
- Designed user interfaces and partially developed various Android applications published on the Google Play Store using Axure for interface development and Java and XML for application development.
- Total application downloads are over 100,000.

SKILLS AND ABILITIES

High-Level and Scripting languages: Java, C, Python, Perl, Bash
Markup languages and Web Styles: HTML, XML, CSS
Operating Systems: Linux, Android, Windows
Database Languages: mySQL
Development Platforms: Android Studio, Eclipse, IntelliJ, PyCharm,
Applications: FileZilla, Putty, Microsoft Office Suite, Libre Office Suite

WORK EXPERIENCE

Kumon| Instructor | Plano, TX | May 2016 – August 2017
- Tutored students ages 4-16 in developing math and reading comprehension skills to help advance their academic ability and interests.
- Led implementation of student and employee check-in process, optimizing efficiency and accountability.

Indian Cultural Association, UT Austin Chapter| Cultural Director, Tech Committee Lead **|** August 2015 – May 2016
- Maintained and updated the organization's website to provide members with information of upcoming events and opportunities (texas-ica.com).
- Redesigned and maintained ICA's signature event's website using HTML and CSS (texasjhalak.com).
- Directed the logistics and coordination in organizing various cultural events, including Jhalak, a $35,000 budgeted national Bollywood dance competition.
- Fostered campus-wide cultural relations by co-hosting events to promote awareness of various international cultures with successful attendance of 150+ students.