Ibtida Bhuiyan

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GitHub: https://github.com/ibhuiyan17   **Personal Website:** http://ibtida.me

Education

University of Michigan — Ann Arbor
　GPA: 3.50/4.0; Bachelor's of Science in Engineering, Computer Science; Graduating April 2021

Relevant Coursework (* indicates the course will be completed by the end of the Fall 2019 Semester)
　Web Systems, Data Structures & Algorithms, Foundations of Computer Science, Computer Organization, ***Networks**, ***Databases**

Skills

Strong: C/C++, Python, Full-Stack JavaScript (Node.js & React.js), REST
Knowledgeable: Git, MySql, Express.js, Flask, Deployment (Heroku & AWS), Material Design

Projects

Personalized Playlist Maker (Spotify Extension)　**Link:** https://www.spotify-ppm.com
- Utilized **Node.js** and **React.js** to build a scalable, interactive web app that allows users to generate new playlists using their top tracks, artists, and genres as seeds using the **Spotify Web API**.
- Took advantage of a React UI Library to follow **Material Design** principles introduced by Google in 2014 to offer an aesthetically pleasing and easy-to-use User Interface.
- Deployed the app on a **Heroku** dyno running 24/7 to serve 20+ active monthly users.

Instagram Clone
- Replicated an early, functional version of Instagram using **Flask** and **React.js**.
- Employed **MySql** to store and serve everything from user login data to follower relationships.

MapReduce (Hadoop)
- Implemented the mapreduce programming model in Python to simulate **distributed computing** of big data by one master and multiple workers.
- Used the **threads**, **processes**, and **sockets** libraries to mimic the concurrent communication between a master and its workers.

Star Pharmacy Website　**Link:** https://starpharmacy-mi.com
- Designed a company website for my father's personal pharmacy using **WebsiteBuilder**.

Employment

Valet Supervisor, First Class Valet — April 2018 - August 2019
- Worked as an on-call employee and supervisor at 30+ locations to ensure smooth operation, servicing 25+ cars per shift while upholding the company's reputation for outstanding service.
- Encouraged teamwork amongst employees through designating roles to individual valets, resulting in an increase in efficiency of services and leading to higher customer satisfaction.

Barista, Biggby Coffee — June - August 2016
- Learned how to effectively manage a cafe by taking care of day-to-day functions at the Biggby location including opening, closing, taking inventory, and filling orders independently.

Extracurricular Activities

Michigan Hackers — September 2018 - Present
- Regularly offered productive suggestions at weekly hack nights and web team meetings for new features as a dedicated core member of the organization.
- Taking an active role in teaching and learning from other members during weekly Data Structures and Algorithms LeetCode brain teasers.

AMDA, Sterling Heights — September 2012 - Present
- Took a leadership position in planning and executing a picnic fundraiser for the mosque and overseas charity foundation, Poriborton, in the Spring of 2017.
- Volunteered at various soup kitchens around Detroit, taking on the role of cooking and serving food to homeless people in the area.
- Periodically cleaned roads with the Adopt-a-Road program organized by the Road Commission for Oakland County to help support the goal of maintaining a clean environment.