

Mohammed Abid Chowdhury

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EDUCATION

Queens College - City University of New York (CUNY)

Bachelor of Arts in Computer Science

Graduation Date: January 2020

Organizations: Dean's List 2015, 2016; Vice president of Queens College IEEE Club; Vice president of Queens Knights Robotics Club; CUNY Hackathon 2018 and 2019 Top 5 Winner; Participated in MongoDB World 2019.

TECHNICAL SKILLS & CERTIFICATIONS

Languages: Java, Python, JavaScript, HTML, CSS, C++, jQuery.

Skills: SQL, Bootstrap, JSON, Git, Agile, Pandas, NumPy, p5.js, Android App development, Agile Development Method, Software Refactoring, MVC (Model-view-controller), Spring Framework, Spring Boot Framework, RESTful API web services, Restful web services, JSP and servlets, AJAX, Thymeleaf.

Operating Systems: macOS, Ubuntu, Windows 10, Raspbian.

Certification: The Software Guild Web Developer Bootcamp - Java, Java HackerRank, Software Engineering Virtual Experience (JPMorgan Chase & Co), Cisco Certified Associate Routing and Switching (CCNA), Cisco Certified Entry Networking Technician (CCENT), HP Designing & Deploying Connected Device Solutions, Microsoft Technology Associate, Microsoft Certified Professional.

PROJECTS

The Software Guild - Java Full-Stack Bootcamp

- **Blog / Content Manager System:** Created a blogging application using Spring Boot. Allows admin and coworkers to create contents, which all views can access. Allowing only admin to confirm a blog to be published or deleted.
- **Superheroes Sighting Web App:** A full-stack Spring MVC Web App, that keeps track and manages superhero sightings. Display Superhero markers by utilizing the Google Maps API with JavaScript and Thymeleaf.
- **Vending Machine Web App:** Built a user interface for a Vending Machine web application using Bootstrap, JavaScript, and jQuery. Implemented REST web services with jQuery and AJAX combined Java and Spring MVC Framework to construct a polished virtual Vending Machine web application that tracks supply inventory and manages available funds.
- **Flooring Application:** Used Java, Spring Dependency Injection, and Spring MVC to create a business application for a commercial flooring company. The application enables full CRUD functions to keep track of orders.
- **Open Weather:** Created a weather app that displays daily and five-day weather forecasts. Utilized private keys to make API calls using AJAX and jQuery to Open Weather API. Used HTML/CSS and Bootstrap to display the data to the screen.

Tech Festival Hackathon

- **Sentio:** Built an android app in Java and Google's Firebase that allows users to understand their own emotions through personal journaling. Analyzed texts using Microsoft Sentiment Analysis API for Natural Language Processing.

Code Path – Android Mobile Bootcamp | Fellow

- **Simple Tweet:** Built a Twitter client in Java that supports viewing a Twitter timeline, and composing a new tweet.
- **Flickster:** An app Built with Java which lets users view a list of movies sourced from the Movie Database API.

Personal Projects

- **Spotify API:** Created a web app that utilizes Spotify API to accumulate data about artists. Used Node.js to handle all incoming and outgoing requests.
- **IMDB Movie Review Classifier, (Natural Language Processing):** Used Python to Preprocesses IMDB movie review bag of words corpus, removed stop words, and lemmatization/stemming. Implemented a Naïve Bayes model from scratch based on the Hidden Markov Model and achieved a model of 82% accuracy.
- **Programming Language Interpreter:** This project comes in 4 stages, 1st is to build a DFA(Deterministic finite automaton) for the type free programming language (similar to Python and JavaScript). The 2nd step is to write a parser to parse instructions from the language. The 3rd stage is to write an interpreter to interpret the instructions parsed from the language. The 4th and final stage is to support array allocation and index operations.

EXPERIENCE

The Software Guild

Java Full-Stack Bootcamp

New York, NY

March 2020 – October 2020

- Created full-stack Spring MVC Web apps using Java, MySQL, JavaScript, jQuery, CSS, HTML. Learned Object Oriented Programming concepts which I applied to build web applications using Spring and Spring Boot framework. Data-Driven Web applications and Relational Database Management, Rest.
- Ensured that technical software development process is followed on the project, familiar with industry best practices for agile software development with 1200 hours of application development experience.

JP Morgan Chase

Software Engineering Virtual Experience

New York, NY

April 2020

- Use JPMorgan Chase frameworks and apply **Python** to a hypothetical request from the firm's trading floor to analyze and visualize data in a new way. Monitor two historically correlated stocks and be able to visualize when the correlation between the two weakens. Operate the data feed of stock A and stock B's price to analyze when the trading for the stock should occur.
- Apply Python Unit Testing to modify the function and the results will be updated by **React.js**.

Queens College - City University of New York (CUNY)

Computer Science Tutor

New York, NY

September 2018 – December 2020

- Teach how to write computer programs, algorithms and programming languages.
- Engaged students in understanding the material and topics of computer science.