

# Ibrahim Mohamed

🏠 St. John's, A1B0J1, NL, Canada

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## 📚 Education

### Memorial University of Newfoundland

St. John's, NL

BSc In Computer Science & Business Administration Minor 3.8 GPA

2020–2024

**Coursework:** Data Structures/Algorithms, Web Programming, Object-Oriented Programming

**Anticipated Graduation Year:** 2024

## 👛 Technical Projects

### AWS Certified Solutions Architect

AWS

Feb 2022–April 2022

- Learned to design a solution by using appropriate AWS services and by following architectural principles based on requirements
- Gained the ability to provide implementation guidance based on best practices to the organization throughout the workload life cycle
- Learned to design and implement resilient, high performing, secure and cost optimized architectures on AWS

### Personal Portfolio Website

AWS S3, Route53, CloudFront, HTML, JavaScript, CSS

Feb 2022–Mar 2022

- Developed a personal portfolio website using HTML, CSS Bootstrap framework, and several JavaScript libraries
- Calculated user trends and patterns by gathering data using Google Analytics tracking tags
- Optimized the website by leveraging CloudFront to communicate with AWS S3 and deploy the website on 225+ points of presence guaranteeing ultra-low latency and high availability
- Utilized Route53 DNS service to map CloudFront to a custom domain to deliver the website to end users

### To Do List

Python (Flask), SQLite, CSS, JavaScript, HTML

Jan 2022–Feb 2022

- Developed a web-app using the Flask framework in Python that allows users to create their own to-do-lists
- Allowed users to add, update and delete items from their To-Do-List by following the CRUD principles
- Used SQLAlchemy to facilitate the connection between the web-app and the SQLite database
- Hosted the web-app using Elastic Beanstalk on AWS, and used a custom domain to deliver the app to end users

### Password Generator

Python (Flask), HTML, CSS

Oct 2021–Nov 2021

- Developed a web-app using the Flask framework in Python, that allows users to generate custom passwords
- Used CSS and HTML to create the structure and design of the app, and to add support for mobile devices
- Allowed users to have several different customization options by using the random module in Python
- Hosted the web-app using Elastic Beanstalk on AWS, and used a custom domain to deliver the app to end users

## 👋 Skills

👍 **Programming:** Python (Django, Flask), HTML, JavaScript (React), CSS (Bootstrap), Java.

👍 **Databases/Cloud:** SQLite, AWS, PostgreSQL, DynamoDB

👍 **Version Control:** Github

## 🏆 Certificates

University of Michigan - Python Data Structures

Aug 2021

University of Michigan - Using Python to Access Web Data

Aug 2021

Johns Hopkins University - HTML, CSS, and Javascript for Web Developers

Feb 2022

Amazon - AWS Certified Solutions Architect

Mar 2022