MOHAMED ISSA

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SUMMARY

• Third-year Computer Science student with **Mathematical, Statistical, Web Development, and Machine Learning background**.

• Developed a website (**Frontend & Backend)** by utilizing popular web-frameworks. Experience with **REST API**, **SQL, and NoSQL.**

• Learning/utilizing new and pre-existing computer-based technologies, systems, and tools to develop solutions.

• Fast Learner independently. An initiator in a Team-environment. Effective Problem-solving skills and communication.

SKILLS

Programming Languages: Python, Java, Bash, C, JavaScript

Infrastructure: AWS, MySQL, MongoDB, Git

Data Mining: Jupyter, Pandas, NumPy, Scikit-learn

Web Development: Spring MVC, NodeJS, Django, Express, React, HTML/HTML5, CSS

Problem-solving and **analytical skills**. Knowledge of the Software Development Life Cycle (**SDLC**) – Agile and waterfall.

A solid foundation of Computer science fundamentals **(Data structures & algorithms, optimization, MVC, Design patterns, etc.)**

EDUCATION

- Bachelor of Science, Major of Computer Science and Mathematics.

- University of Toronto
Expected grad Nov 2021

PROJECTS

Sleepy: https://la-lyrics.web.app/

- **Music streaming** website (similar to SoundCloud). Utilized A **MERN** Stack (**React.Js** and **Figma** for **Frontend, Node.JS** framework **express + MongoDB for backend). It provides** a **login/signup** feature (includes password encryption), allows users to stream music, create playlists, and upload their music.

Sketch:
- Team assignment to design and create drawing software similar to MS paint using **OOP(Java)**. The software had to keep track of shapes drawn, features such as undo and save drawn files.
- The assignment demonstrated the **life cycle of software** (Requirements analysis to Operations and Maintenance)
- Functional and non-functional requirements, **UML and design patterns** had to be created and followed in the requirements analysis **Junit testing** and documentation were required.

Tea Aurora: teaaurora.com

- An E-commerce platform that utilizes **React.Js** for **Frontend, Node.JS** + **express** for the **Backend.** Implements REST APIs to allow adding product descriptions to the **(MongoDB)**database.

Silk-Fix:
- A bug tracker that can be utilized by multiple teams to manage the flow of a project. The platform was developed using **React.Js** for the **Frontend**, **Spring Boot + MongoDB** for the **Backend**. Some of the **features** are: Signup/Login, create a Ticket, View Ticket details, modify Ticket, Create Projects, add/removed people to/from a Project, and more.