Ali Adam

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Skills

- Java, Python, JavaScript, HTML, CSS, React, NodeJS, SQL, C/C++, C#.
- Leadership, Lifelong Learning, Curiosity.

Education

BSc Honours Computer Science **York University** Sep 2017 – Present

- Design & Analysis of Algorithms (A+), Software Design (A), Operating Systems (A+), Computer Organization (A), Database Systems (A), Big Data Systems (A+).

Work Experience

York University
Teaching Assistant Jan 2022 – Present

- Lead Teaching Assistant in labs for EECS 2021 (**Computer Organization**) and EECS 3201 (**Digital Logic Design**) for **100+** Students.
- Assisted students in understanding **Computer Science** concepts, including **Hardware,** and **Software.**
- Delivered midterm and exam review tutorials.

Ontario Power Generation
Software Developer Intern Jan 2021 – Aug 2021

- Supported software engineering projects in an **Agile** work environment.
- Used **JavaScript**, **HTML**, and **CSS** to develop the plant's wide dashboard's Front-end and **C#** for the Back-end, **T-SQL** to create tables, views, queries, and stored procedures for the company's database.
- Worked on the plant's approvals system to **automate** the overtime requests using **ReactJS** and **NodeJS**, **saving 1 hour of time weekly** for each section manager.
- Created tools to **automate** report generation process and to automatically fill documents from databases, **saving 24 hours a quarter**

Projects

Apriori Algorithm

- Implemented **Data Mining** algorithms using **Java** to compute frequent item sets efficiently
- Algorithms: Apriori, PCY, Multihash, Sampling, SON.

Face Detector

- A **React** application that uses the Clarifai **Machine Learning** API to detect faces and guess the name of the person
- Incorporated a **PostgreSQL** database into the project to store the users and face detection counts.

IPChangeNotify

- A background process using **NodeJS** that routinely checks the external IP address of the computer and sends an email via **Node-mailer** to the user with the new IP address if it changes.