

# Youssef Mohamed

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## WORK EXPERIENCE

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### Undergrad Research Assistant – RAnLab

Sept. 2021 – Aug. 2022

- Collected and analyzed 5,000+ data points from Statistics Canada API, utilizing Office JavaScript API in Excel to enhance a centralized database and support research objectives.

### Volunteer Full-Stack Developer – NL Eats

May 2020 – December 2020

- Developed a responsive web interface with React, resulting in a 20% increase in user engagement and satisfaction.
- Optimized data storage and retrieval processes by helping to design an efficient database schema, reducing data processing time by 15%.

## PROJECTS

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### Sparkle drive – Solo Project – Web App

Aug. 2023

- Developed and launched the website with dynamic pricing, SMS order management, and user-friendly features, enhancing the customer experience and revenue potential.

### Heart Disease Prediction - Team Project

Oct. 2022 – Dec. 2022

- Applied machine learning techniques, including data scaling, to achieve 85% prediction accuracy on medical data.

### Quotes – Solo Project – Mobile App

July 2021 – Sept. 2021

- Created a mobile app for managing and sharing quotes.
- Delivering an immersive user experience through React Native while ensuring robust, scalable data management with AWS services.

### FadfadA – Solo Project – Web App

Aug. 2020 – Feb. 2021

- Designed a web app for a public chat room with private messaging features.
- Used React and Socket.IO for an interactive user interface, promoting real-time communication.

### MyFlex – Team Project – Web App

June 2020 – July 2020

- This web application intends to help you decide what movie to watch next with a recommendation feature and movie tracking system to enhance your viewing experience.
- Implemented Front-end using React.
- Built a robust backend with Node.js, Express, and MongoDB for efficient data retrieval and storage, resulting in a 25% boost in data access performance.

## EDUCATION

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- Bachelors in computer science, Memorial University of Newfoundland

Sept. 2019 – Dec. 2022

## SKILLS

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- Proficient in:** React - Redux - JavaScript - Express.js - Node.js - MongoDB - HTML/CSS - Version Control
  - Experience in:** REST APIs - Mocha - React Native - Python (pandas, NumPy, matplotlib, scikit-learn) - AWS (EC2, API Gateway, Lambda, DynamoDB, Cognito).