

Youssef Mohamed

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WORK EXPERIENCE

Undergrad Research Assistant – RAnLab (Contract) 2021 – 2022

- Collected and analyzed 5,000+ data points from Statistics Canada API using Office JavaScript API in Excel.
- Enhanced centralized database, supporting research objectives.

Full-Stack Developer – NL Eats (Volunteer) 2020

- Elevated the project's user experience using the power of React.
- Improved data efficiency by streamlining the database schema, resulting in a 15% reduction in data processing time.

PROJECTS

Sparkle drive – Solo Project – Web App 2023

- Developed and launched an MVP website for a small business offering car wash services.
- Integrated SMS-based order management and an intuitive user interface for seamless customer bookings and interactions.

Heart Disease Prediction Using Machine Learning - Team Project 2022

- Achieved 85% prediction accuracy on medical data.
- Enhanced model performance through data scaling techniques.

Quotes – Solo Project – Mobile App 2021

- Developed a solo React Native app for managing and sharing quotes.
- Optimized the app with AWS for seamless user interaction and efficient data handling.

MyFlex – Team Project – Web App 2020

- Coordinated a team effort to build a web app for efficient movie selection with recommendations and tracking.
- Built and optimized the backend with Node, Express, and MongoDB, resulting in a 25% performance boost for data access.
- Engineered an immersive experience, harnessing the power of React.

EDUCATION

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- B.Sc. in computer science, Memorial University of Newfoundland 2019 – 2022

SKILLS

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- React - Redux - Express.js - Node.js - MongoDB - Git (Version Control) - JavaScript - Postman - REST APIs - AWS (EC2, API Gateway, Lambda, DynamoDB, Cognito) – SQL - GitHub - Mocha (Testing) - React Native - Python (NumPy, Matplotlib, Scikit-Learn, Pandas) - HTML5 - CSS3

Software Design Skills

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- Agile Methodology – CRUD – MVC (Model-View-Controller)