




# RORY RAMPERSAD

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## EDUCATION

### University of Waterloo

*BMath. Mathematics and Business Administration (Honours), Computing (Minor)*

Sept 2019 – Apr 2023

Ontario, CA

## PROJECTS

### Car Dealership Review Platform | *HTML, CSS, JavaScript, Python, Django, SQLite* | [Github](#)

Jan 2024

- Created a dynamic Django web application enabling customers to access a central database of dealership reviews
- Implemented user management features, facilitating account creation and review submission for customers
- Established a seamless communication channel between the Django application and IBM Cloud Functions

### Walmart Retail Sales Analysis | *Python, NumPy, Matplotlib, Seaborn, Pandas* | [Github](#)

Sept 2023

- Analyzed sales data from 45 Walmart stores to predict sales accurately and identified the store with maximum sales, highest standard deviation and growth rate
- Built a Linear Regression model, incorporating CPI, unemployment, and fuel price, optimized for accuracy to provide monthly sales views, highlighting trends and seasonality

### Web Development | *HTML, CSS, JavaScript*

Mar 2023

- Created functional projects such as Survey Forms, Product Landing Pages and Technical Documentation pages

### Credit Card Fraud Detection Model | *Rstudio, randomForest, XGBoost*

Jan 2023

- Analyzed and cleaned a dataset of over 80,000 transaction records obtained from Scotiabank
- Model created using machine learning algorithms was able to detect 84.7 percent of fraud cases

## EXPERIENCE

### Ministry of Digital Transformation of Trinidad and Tobago

Oct 2023 – Present

*Project Support Officer*

*Trinidad and Tobago*

- Prepared detailed project documentation, reports, and status updates for senior management and stakeholders
- Maintained project databases and files, ensuring accurate and up-to-date records for audit and reporting purposes

### SuperPharm Ltd.

Aug 2023 – Oct 2023

*Software Developer Intern*

*Trinidad and Tobago*

- Managed SQL Server database, performing routine maintenance tasks including log file shrinking as well as optimizing query performance and executed a data migration initiative through the creation of SSIS Packages
- Collaborated in the nationwide deployment of a new line of scanners and printers, overseeing the configuration and setup for implementation in all retail stores

### University of Waterloo Fine Arts Department

Apr 2022 – May 2023

*Fine Arts Tool Crib Attendant*

*Ontario, CA*

- Used Asset Panda to implement an update to the organizational system used for all products, which increased overall sales and efficiency
- Displayed exceptional time management skills by balancing various responsibilities with a full academic semester

## CERTIFICATIONS

**IBM:** Full Stack Software Developer Specialization

**SimpliLearn:** Applied Data Science with Python

**Microsoft and LinkedIn Learning:** Career Essentials in Data Analysis and Software Engineering

**FreeCodeCamp:** Obtained professional certificates in [Data Structures and Algorithms](#) and [Responsive Web Design](#).

## TECHNICAL SKILLS

**Languages:** Python, SQL, HTML/CSS, JavaScript/TypeScript, R

**Tools:** RStudio, PowerBI, Microsoft Excel, Visual Studio, Microsoft SQL Server

**Libraries:** NumPy, Matplotlib, Pandas, Seaborn, Django, randomForest, XGBoost, NodeJS, React

## AWARDS

**University of Waterloo:** Granted President's Scholarship of Distinction upon admission

**Ministry of Education of Trinidad and Tobago:** Received an Open Scholarship in Mathematics

**Presentation College San Fernando:** Awarded the Carl Awong Trophy for outstanding academic performance