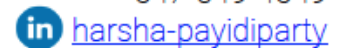


# Harsha Payidiparty

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## Skills

**Technical Skills:** SQL, SAS, Excel, Python, C, Java, PHP, HTML/CSS

**Data Science:** Linear Regression, Hypothesis Testing, Probability Distributions, ANOVA, Decision Trees, Data Cleaning, Data Visualization, Clustering (K-means)

**Technologies:** Bootstrap, IntelliJ IDEA, Visual Studio, Git, Jupyter, WEKA

## Education

**Seneca College:** Honours Bachelor of Commerce (Business Technology Management) 2018 - Present  
Cumulative GPA: 3.9/4.0  
Awards: President's Honour List x3

**University of Toronto:** Honours Bachelor of Science (Computer Science) 2015 – 2018

## Work Experience

**Software Developer Intern: Bank of Montreal** May 2020 – Dec 2020

- Created a technical document to share knowledge of Privileged Access Management (PAM) through [CyberArk](#) which is currently being used by the team (10 employees)
- Architected release pipeline for [UAT/SIT](#) to deploy production patches that involved **15+** medium vulnerabilities
- Developed a run log tool for the Credit Risk Infrastructure team using Microsoft [SQL Server Integration Services \(SSIS\)](#) which improved development efficiency by **25%** for field and entity additions in the [ETL pipelines](#)
- Coordinated between the software development team and application support testers to set up a Secure Server Gateway (SSG) to allow remote access to a database for a specific Active Directory (AD) group

**Software Developer Intern: JP Laboratories** Jan 2020 – Apr 2020

- Re-designed a fully responsive front-end with [HTML/CSS](#) and [Javascript](#) using [Bootstrap](#) components which resulted in **1,027** unique visitors (78% increase) in one month
- Optimized and [A/B tested](#) cold emails that targeted various companies (B2B) based on location, product specialization, and product volume producing **165** clickthrough's to the company website, resulting in a **4%** conversion rate
- Created multiple forms that sends queries to a mail server through [PHP](#) and [Javascript](#) that iteratively amended features and handled corner cases according to user feedback

**Cards Advisor: Royal Bank of Canada** Jul 2019 – Sep 2019

- [Risk assessment](#) and implementation of procedures to ensure effective security measures are being made to prevent fraudulent activity
- Performed credit-related tasks, including balance transfers, credit limit increases and credit card upgrades

**Order Support Associate: Walmart Canada – Ecommerce** Aug 2016 – Apr 2018

- Utilized data and [analytics](#) to assess weekly purchase volumes, trends, customer behavior and other future events with a profit maximization goal
- Played a key role in launching home delivery services for the first store location in Canada through implementing regional routes across the GTA for online grocery and merchandise delivery
- Successfully reduced inventory holding costs by **4%** and increased customer fulfillment from **96%** to **98%** across a four-month rollout period

## Competitions

**Health Data Science Competition: University of Toronto - Biotechnology** Oct 2020

- Developed a [linear regression](#) model using Python ([Scikit-learn](#)) to see the proportion of the variance between variables such as age, obesity and gender with the effectiveness of the treatment (Survival Analysis)
- Created data visualizations using [Matplotlib](#) and [Seaborn](#) to analyze and derive insights/effectiveness of Sorafenib therapy on patient survival rates (URL: <https://www.utm.utoronto.ca/mbiotech/octagon-health-data-science-competition>)