# 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*)