Mohammed Perves

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EDUCATION

Lazaridis School of Business at Wilfrid Laurier University Waterloo, ON
Bachelor of Business Administration (Hons), Concentration in Finance (Double Degree) *September 2017 – May 2022*
- **Overall Average:** 80% | **Finance Average:** 95%

Wilfrid Laurier University Waterloo, ON
Bachelor of Science in Computer Science (Hons), Minor in Mathematics (Double Degree) *September 2017 – May 2022*
- **CS Average:** 82%

Stanford University Online Coursera
Machine Learning *Apirl 2021*

SKILLS

Programming Python, VBA, C++, JavaScript, PHP, C, Perl, Java
DB & Tools SQL, Tableau, PowerBI, node.js, React, Flask, AWS, Azure, Jupyter Notebook, scikit-learn, Keras, MongoDB, OpenCV

PROFESSIONAL EXPERIENCE

PepsiCo, Inc. Mississauga, ON
Data Engineering & Analytics Intern *September 2020 – December 2020*
- Engineered big data pipelines, aggregating, cleaning and transforming data using data wrangling and ETL tools such as **SQL/Hive**, **Trifacta,** and **Databricks** from multiple sources onto **Azure** data lakes (Hadoop clusters – Azure HDInsight)
- Designed and created relational DB tables on **Azure SQL DB**, performing 3NF normalization to store supply chain finance data
- Proposed, designed and built MVP for a new Sales & Distribution (S&D) forecast platform, working directly with Product Manager and Sr. Finance Manager, to replace the inefficient Excel models in **PowerApps,** connecting to **Azure** data lakes, increasing efficiency by **1000%**
- Built features and new interactive analytics dashboards in **Tableau** and **PowerBI**, providing insights and updates into **$50M+** functions (Manufacturing Overhead and S&D), to be utilized by multiple stakeholders nationally including field users, mid and upper management

Deloitte LLP Kitchener, ON
Advisory Winter Analyst *January 2020 – April 2020*
- Engineered datasets, cleaning, transforming and performing data integrity tests and built experimental machine learning (ML) models, including anomaly detection model to derive insights from large datasets using **SQL** and **Python** (Pandas, Numpy, scikit-lern)
- Performed analysis leveraging the models and created data visuals in **Tableau** for two large-cap (**$10B+**) automotive and utility companies in Canada, presenting actionable insights that contribute to $thousands in annual savings, exceeding utilization target (billable work) by **73%**
- Interviewed and liaised with upper management, including CFO and CHO of a mid-sized tech company with no supervision to gather data
- Created and helped presenting risk advisory and analytics presentations and proposals to clients working directly with senior leadership

Deloitte LLP Kitchener, ON
Advisory Summer Analyst *May 2019 – September 2019*
- Developed IT infrastructure and systems risk management recommendations in teams of 5-10 for a **$30B+** global steel company and a large nuclear power company, contributing to solutions that potentially saves the nuclear power company $millions in the long run
- Interviewed and liaised with mid and upper management to gain understanding of business and technological processes and systems
- Assisted with national internal growth strategy for the Power & Utilities (P&U) industry, creating several segments of the Strategy slide deck, including mission/vision, SWOT analysis, client segmentation, industry trends, problem-solution mappings and comprehensive analysis of current opportunity pipeline, leveraging the Strategy Choice Cascade and other frameworks
- Worked with Lead Client Service Partners and Industry Leaders from multiple service lines across the country to gain insights into client problems, competitive landscape and growth opportunities with regards to their respective markets (mentor partner now leads P&U)

EXTRACURRICULARS

Deloitte Omnia AI Data and Cloud Hackathon 2021 | 2nd Place Win
- Lead my team of 5 graduate students and 3 Deloitte consultants to 2nd place win, presenting a comprehensive solution for the optimal distribution of COVID-19 vaccines leveraging both unsupervised and supervised ML algorithms such as **K-means** and a range of classifiers including, **Neural Networks**, **K-neighbours**, and **SVC** to a panel of partners and industry leaders from Consulting and Omnia AI

Laurier Consulting Club | https://www.laurierconsulting.ca/lcg Waterloo, ON
Strategy Consultant *September 2019 – May 2020*
- Provided pro-bono consulting services to a Waterloo based neuroscience and AI start-up ($5M valuation, Series A), creating integrated go-to market and artificial intelligence strategy working directly with the founder/CEO and CTO

Enactus Laurier | https://enactuslaurier.ca Waterloo, ON
Vice-president of Information Technology *September 2018 – August 2019*
- Led the IT team, overlooking and meeting the IT demands of Laurier's chapter of an international organization (Enactus) located in 36 countries around the world with 75,000+ members, focused on creating social change though self-sustaining social enterprises, which are founded and run by university students

PROJECTS

MPire Capital – Founded a tiny quantitative hedge fund that seeks to generate alpha by leveraging machine learning and analytics
Ryzer – A web app developed in **Python** (Flask) that allows students to share resume templates, and gain insights to how their resumes are parsed by an ATS (served **2000+ unique** students ranging from UBC to MIT)