Mohammed Perves

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EDUCATION

Wilfrid Laurier University Waterloo, ON
Honours Bachelor of Science in Computer Science, B.S. (Dual Degree) *September 2017 – May 2022*
- **Relevant Courses**: Software Engineering (A+), Algorithms I (A-), Artificial Intelligence (A-), Database I (A-), Linear Algebra (A-)

Lazaridis School of Business at Wilfrid Laurier University Waterloo, ON
Honours Bachelor of Business Administration, B.B.A., Finance (Dual Degree) *September 2017 – May 2022*
- **Relevant Courses**: Finance I (A+), Financial & Management Accounting (A+/A), Micro & Macro Economics (A+/A-)

SKILLS

Programming	Python, SQL, C++, JavaScript , PHP, Java
Tools	Tableau, PowerBI, Flask, ReactJS, .NET, AWS, Azure, Hive/Spark , MongoDB, scikit-learn

PROFESSIONAL EXPERIENCE

PepsiCo, Inc. Mississauga, ON
Data Engineering & Analytics Intern *September 2020 – December 2020*

Deloitte LLP Kitchener, ON
Winter Analyst *January 2020 – April 2020*
- Analyzed large data sets and created interactive dashboards for two F500 global automotive and utility companies, presenting actionable insights pertaining to operational efficiency and risks that potentially contribute to $50k+ in annual savings, exceeding utilization target (billable work) of 0% by 73% (Sr. Consultants target = 80%), using **Python**, **SQL** and **Tableau**
- Created and helped presenting analytics service proposals to clients, specifically data analytics offerings pertaining to operational efficiency/risks, employees, and customers, contributing to a total of $300K+ addition to the opportunity pipeline

Deloitte LLP Kitchener, ON
Summer Analyst *May 2019 – August 2019*
- Developed technology risk management recommendations in teams of 5-10 for top 1000 public and mid-sized private companies, systematically analyzing and identifying problems arising from information technology systems and infrastructure
- Identified technological risks for a large nuclear power company and contributed to solutions that saves them **$100k+**
- Assisted with national internal growth strategy for the Power and Utilities industry, working directly with partners, lead client service partners and sector/industry leaders from multiple service lines across the country (mentor partner now leads)

EXTRACURRICULARS

mPire Capital | http://mpirecap.ca/ Waterloo, ON
Founder *March 2020 – Present*
- Founded a tiny hedge fund (~$15K AUM), that seeks to generate alpha by leveraging ML/analytics and traditional strategies
- Developing in-house analytics platform using **Flask** in **Python** that collects and stores a variety of data, including financial, news, tweets and google trends regarding financial securities and global macro events to perform advanced analysis, including sentiment and predictive analytics for short-term trading strategies, leveraging **NLTK, scikit-learn, MongoDB** and other
- Built both absolute and relative valuation models, including DDM, DCF and comparables models to find undervalued securities
- Built LP models and performed **k-means** and **KNN** clustering to classify and segment securities based on risk (Beta), returns (CAPM, Alpha & CML), ESG scores, financial ratios (PE, ROE, ROA) and other factors for optimal portfolio management

Ryzer | https://ryzer.me Waterloo, ON
Founder and Creator *October 2020 – December 2020*
- Developed a web app using **Flask** in **Python** that allows students to view and share resume templates, in hopes of bridging the network gap, connecting to a **MySQL** and **AWS DynamoDB** database, serving **300+ unique** users
- Built front-end for a resume parser API, to give users insights into how their resumes are parsed by an ATS using **AWS Lambda**

Laurier Consulting Club | https://www.laurierconsulting.ca/lcg Waterloo, ON
Strategy Consultant, Laurier Consulting Group *September 2019 – April 2020*
- Provided pro-bono consulting services in teams of 4-5 to the most innovative tech start-ups within the Waterloo region
- Worked directly with the founder/CEO and CTO of a top neuroscience start-up ($5M valuation) based out of Waterloo and San Francisco, to create integrated go-to market and artificial intelligence strategy, along with implementation guide

Enactus Laurier | https://enactuslaurier.ca/ Waterloo, ON
Vice-President of Information Technology (IT) *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