ATHER QURESHI
SOFTWARE ENGINEER | BUSINESS INTELLIGENCE
GitHub | **LinkedIn** | **Website**
atherqureshi07@gmail.com | (+1) 647-383-7332 | Brampton, ON, Canada

Skills

- **Languages**: Python, Java, C++, SQL, SAS, Bash, JavaScript, HTML, CSS
- **Extensive experience:** System Design, Object Oriented Programming, Machine Learning, Data Warehousing, Microservices, Linux, Tableau, Git, Applied Deep Learning
- **Work in Progress:** Kafka, Kubernetes, Spark, Software Reliability Engineering

Experience

Bell Canada | Data Scientist @ AI Labs Team
October 2018 – Present | Toronto, ON

- Building architecture to enable machine intelligence applications at scale and empower automated decision-making which impacts the customer at a 1:1 level
- Used variety of machine learning tools such as Neural Networks (CNNs) and Gradient Boosted Decision Trees for a variety of classification and regression problems.
- Designed and implemented complete pipelines for Churn, Call Reasons, and Segmentation problems
- Full Stack Data Science utilizing tech such as Kafka, Kubernetes, Docker and Spark interfacing with data in HDFS and RDBMS (Teradata)
- Using python libraries such as scikit-learn, pandas, numpy, keras, and Tensorflow

Bell Canada | Data Engineer
September 2017 – October 2018 | Toronto, ON

- Primary data engineering team that manages over 6 Petabytes of data with over 150+ attributes per customer
- Lead data engineer for campaign tool (SMS, Email, Inbound/outbound calls) – 80M Offers Per Year
- Completed Integration of Small Business Data to our Data Warehouse
- Created Tableau dashboards and SAS macros to assist production in moderating over 8000 ETL Jobs

Projects

Insight Lab | Undergrad Thesis: Machine Learning and Visualizations
May 2017 – August 2017 | London, ON

- Independently created **Decision Visualizer**, an interactive web app to generate and visualization decision trees
- Using Python libraries scikit-learn, numpy and pandas, created a generic script that would parse csv data and create a classification decision tree
- Made an interactive viewer for the project using d3.js that also allowed users to predict new data

Western University | HTML5 JavaScript Game
Jan 2017 – April 2017 | London, ON

- Lead for **Attack of the Bubbles** for game design course, utilizing primarily the phaser JavaScript Library
- Developed collision and physics engine, user interface, graphics, animations, localStorage saving system, and wrote game music

Education

Western University | BSc Honors Specialization in Computer Science, Minor in Psychology
September 2012 – August 2017 | London, ON

- 3.67 cGPA | 3.81 GPA in Major (Computer Science)
- Western Scholarship of Distinction and Dean's List

Certifcations

- **Udacity Full Stack Web Developer Nano Degree** | Frontend, Backend, Flask, CRUD, deployment
- **EDX DAT203.1x: Data Science Essentials** | Microsoft Azure, Python, Seaborn, Matplotlib
- **EDX DAT205x: Introduction to Data Analysis using Excel** | Data Mining, Pivot tables, Macros
- **Teradata: Introduction to Teradata / Advanced SQL Features** | Performance Tuning, Recursion, OLAP
- **SAS Programming 2** and **SAS Advanced Macro Training**

Extracurricular

- **President** of Western's Pakistani Students Association | $2000 Annual Budget | 150 Members