

SHAFQUAT AREFEEN

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RELEVANT SKILLS

- Analytically oriented to deliver the message behind the data through reports, metrics and strong presentation skills. Proficient in Microsoft Office suite including Word, Excel, PowerPoint, Access, etc.
- Technical skills to extract/scrape, ingest, and analyze large data sets using Business Intelligence (BI) software such as Tableau, Microsoft Power BI, Cognos, Python, and D3.js
- Excellent communicational skills and experience leading teams by working in various work environments
- Experience in Agile project frameworks and working in sprints. Exceptional ability to work under pressure and meet deadlines to solve critical business problems
- Fluent in multiple programming languages including C, SQL Server, PHP, R, SAS, Shiny, Java, Python, SAS, Django, VBA, HTML, CSS, Ruby on Rails, and MATLAB

EDUCATION AND PROFESSIONAL DEVELOPMENT

- **Master of Business - Management Analytics, GPA: 3.69**, Smith School of Business, Queen's University **2017-2018**
 - Engaged with corporate sponsors like Scotiabank to solve real life data issues through clustering and profiling
 - Courses including Econometrics, Management, Big Data Analysis, Project Leadership, Advanced Statistics
- **Bachelor of Applied Science and Engineering, Engineering Science**, University of Toronto **2011 - 2016**
 - Academic accomplishments/awards: Entrance Scholarship, **Sessional GPA: 3.75**
 - Undergraduate Thesis: Advancement of fMRI Data Analysis through Parallel Computing | Dr. Katherine Duncan
 - Relevant Courses: Machine Learning, Stochastic Calculus, Linear Regression, Operations Research, Fixed Income Securities, Risk Management
- **Data Science Fundamentals**, University of Toronto **2017**
- **Tableau Desktop II: Intermediate**, Tableau Software **2016**

PROFESSIONAL EXPERIENCE

- Senior Data Analyst, City of Toronto** **February 2020 - Present**
- Collected, cleaned, and prepared data in a pipeline to create reports for the Emergency Operations Centre (EOC) to respond to the PPE storage and Homeless Encampments throughout the city respectively.
 - Developed Tableau Dashboards that monitored real time data and forecasted future scenarios for different divisions within the city.
 - Created statistical models using R/SAS while redeployed in Toronto Public Health (TPH) to track Covid-19 numbers and calculate Rt (reproductive number).
 - Designed technical assignments and interviewed applicants for data roles within the City. Trained and supervised new members of the Machine Learning / Artificial Intelligence team.
 - On procurement team for Municipal Licensing & Standards (MLS) for Short Term Rentals identification and compliance. Used several metrics including cost, accessibility, and approval of business requirements.

Financial Data Analyst, Derivatives Branch Ontario Securities Commission**April 2016 – February 2020**

- Lead on User Acceptance Testing (UAT) for new database system, working in an agile team with regular scrums.
- Improve data quality by using tools such as SQL, XML, Python (pandas, numpy, scikit-learn), Excel (Pivot Tables, VBA, etc.), and statistical software (R and SAS) to investigate the data leading to a 40% increase in completion rates.
- Manage team to develop dashboards both AdHoc and for reporting purposes internally and for multiple stakeholders. Host monthly meetings to discuss client's performance and identify improvement factors in the data.

Associate - Data & Analytics, Decision Resources Group**April 2014 – September 2015**

- Compiled medical device supply chain report tables and figures by uploading data in SQL databases, ETL packages and assembling orientation through XML code and Visio maps. These reports generated \$40 million in revenue for the company.
- Tracked finances of project to ensure budgets were on track and helped identify areas to cut costs.
- Prepared agendas for senior management that included up to date notes based on current market trends.

CONSULTING EXPERIENCE

Data Engineer, TextVal Real Estate, Toronto, ON**2018 – 2019**

- Directed international IT team in creating a structured data to store real estate data
- Developed machine learning algorithm to predict housing prices

Data Consultant, Ryerson University, Toronto, ON**2017 – 2019**

- Led teams on non-profit and paid data projects that focused on transit and real estate in the GTA
 - Converting large data sets through Geospatial (GIS) software into meaningful maps to identify trends in the King Street Car pilot
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