

Khizer Kamran

Data Scientist | Calgary, Alberta, Canada | 403-903-1790 | Khizer.kamran1@ucalgary.ca | [LinkedIn](#) | [GitHub](#)

EDUCATION

University of Calgary

Calgary, AB

Master of Data Science and Analytics in Data Science (GPA: 3.89 / 4.0)

Jan. 2022 – Present

- Relevant Coursework: ANOVA, Decision-tree Analysis, Descriptive Statistics, Exponential Distribution, ETL (Data Mining, Data Cleaning, and Data Analysis), Gaussian Theorem, K-nearest Neighbors Sampling, Linear Regression, Multi-variate regression, Naïve Bayes Theorem, Neural Networks, Support Vector Machine Pipelines

University of Calgary

Calgary, AB

Bachelor of Commerce in Business Analytics

Sep. 2017 – Dec. 2021

- Relevant Coursework: Clustering Sampling, Hypothesis Testing, Normal Distribution, Poisson Distribution, Polynomial Regression, Probability Distributions, Binomial Distributions, Random Sampling, Statistics

WORK EXPERIENCE

Business Analyst

Calgary, AB

University of Calgary

Aug. 2023 – Present

- Coordinate 700+ students in enrollment into undergraduate-level courses by utilizing PowerBI, SAP, and CRM to analyze PeopleSoft course enrollment processes
- Reduced operational costs by \$10,000 leveraging Excel VBA, PowerBI, and Tableau (data visualization) to streamline university financial workflows through the optimization of departmental financial resource allocation
- Increased student retention rates by 25% through data-driven insights generated using PeopleSoft to identify at-risk students and implement academic support strategies
- Optimized consultant productivity by 30% by harnessing the capabilities of PowerBI, PeopleSoft, SAP, and CRM to provide advisors with actionable insights to streamline student interactions

Computer Science Assistant Professor

Calgary, AB

University of Calgary

Sep. 2020 – Present

- Developed a predictive modeling system that increased the accuracy of student academic performance by 25%
- Implemented artificial intelligence to automate pre-processing, saving 15 hours of operational time
- Taught over 500+ students across 30+ lectures by adapting and organizing teaching schedules to accommodate both in-person and virtual classrooms
- Facilitated increases in average student academic performance from 3.7 to 4.0 GPA (on a 4.3 scale) by implementing Scratch for a more interactive student experience

Machine Learning Engineer

Calgary, AB

University of Calgary

Jan. 2023 – Aug. 2023

- Led an interdisciplinary team of 5 in the development and implementation of advanced machine learning models, enhancing the accuracy of predictive analytics by 35%
- Optimized data science processes using Scikit-learn and Apache Spark, reducing data analysis time by 40%
- Implemented a deep learning model that improved the natural language processing capabilities of the company's software, leading to a 50% increase in customer satisfaction
- Successfully utilized Tableau and SQL for data visualization, making complex data understandable for stakeholders and enhancing the decision-making process

SKILLS

Programming Languages: MS SQL Server, Python, R, R-studio, SQL DBMS

Data Analysis Tools: Google Analytics, Google App Scripts, Google Collab, MS Access (Databases), MS PowerPoint, MS Project, MS Visio, MS Word, OpenRefine, Project Jupyter, Tableau, Stack Overflow, VS Code

Big Data Technologies: CRM, PeopleSoft, SAP

Machine Learning Libraries: Keras, Matplotlib, MongoDB, NumPy, Plotly, PyTorch, Scikit-learn, Seaborn, SQLAlchemy, TensorFlow, Pandas

OTHER

Certifications: Harvard University (Applied Sciences and Engineering) - CS50 Certification: Introduction to Programming (2023)

Awards: University of Calgary (Computer Science) - Teaching Excellence Award (Nominee)(2022)