

Khizer Kamran

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EDUCATION

University of Calgary

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

Calgary, AB

Jan. 2022 – Present

Harvard University

CS50 Certification: Introduction to Programming (GPA: 4.0 / 4.0)

Boston, MA

Aug. 2023 – Dec. 2023

University of Calgary

Bachelor of Commerce in Business Analytics

Calgary, AB

Sep. 2017 – Dec. 2021

WORK EXPERIENCE

Business Analyst

University of Calgary

Calgary, AB

Aug. 2022 – 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 PowerBI and Tableau streamline university financial workflows through the analysis of departmental financial statements.
- Increased student retention rates by 25% through data-driven insights generated using PowerBI, and PeopleSoft to identify at-risk students as well as implement academic support strategies.
- Optimized advisor productivity by 30% by harnessing the capabilities of PowerBI, PeopleSoft, SAP, and CRM to provide advisors with actionable insights and streamline student interactions.

Computer Science Assistant Professor

University of Calgary

Calgary, AB

Sep. 2020 – Present

- 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 machine learning algorithms in Python for data analysis and prediction.
- Resolved over 90+ students' Windows, Mac, and Linux operating systems technological issues in the 2022-2023 academic school year by independently managing student requests for IT assistance through logged IT tickets communicated VIA MS Outlook.
- Nominated for a teaching excellence award (December 2022) by integrating highly interactive tools such as Scratch to illustrate 25+ fundamental Python, C/C++, and SQL programming concepts.

SOFTWARE DEVELOPMENT AND DATA SCIENCE PROJECTS

Canadian Turbine Energy Generation Machine Learning Analysis / Python

Jan.2023 – Apr.2023

- Improved energy production efficiency by 15% in Canadian Turbine Energy Generation by directing a team of 5 data scientists through developing highly accurate machine learning algorithms.
- Developed 10+ high-impact neural network, decision-tree, Gaussian Bayes, multi-variate analyses, and various regression models resulting in optimized turbine development as well as resource allocation for minimized costs.

PyCharm - Game of Pong / Python

Sep. 2022 – Jan. 2023

- Accomplished the development of a challenging AI opponent (with efficient 75 lines of code) multi-directional paddle movement in a Python Pong game by collaborating with a team of 7 software engineers and programming advanced ball trajectory calculations.
- Rated 4.7 / 5 stars across 50+ peer-reviews allowing for a more engaging and competitive gaming experience.

Technical SKILLS

Programming Languages: C/C++, HTML/CSS, JavaScript, Python, R, R-studio, SQL DBMS Postgres

Software Development and Data Science Tools: CRM, GitHub, Google Analytics, Google Analytics, Google App Scripts, Google Collaboratory, Google Forms, GPT-4, MS Access (Databases), MS Power BI, MS PowerPoint, MS Project, MS Visio, MS Word, OneDrive, OpenRefine, PeopleSoft, Project Jupyter, Qualtrics, RapidMiner, SAP, ServiceNow, SharePoint, Studio, Tableau, Visual Stack Overflow, VS Code, ChatGPT

Programming Libraries: Django, GeoPandas, Keras, Matplotlib, MongoDB, NumPy, Plotly, PyCharm, PyTorch, Scikit-learn, Seaborn, SQLAlchemy, TensorFlow, Theano, Pandas