Imad Ahmad

Vancouver, BC | 778-789-4623 | imadahmad97@yahoo.ca | https://imadahmad.ca

TECHNICAL SKILLS

Programming Languages: Over 5 years of experience in Python, R, SQL, JavaScript, HTML, CSS
Database/Data Warehouse: MySQL, PostgresSQL, MongoDB, Amazon Redshift, Snowflake
Big Data/Cloud: Kafka, Spark, Hadoop, AWS Certified
Analytics/BI: Tableau, PowerBI, Python visualization libraries
Machine Learning: scikit-learn, TensorFlow, PyTorch, statistical ML techniques

EDUCATION

Masters in Data Science and Analytics, *University of Calgary*   Graduated August 2023

Bachelor of Science in Integrated Science, *University of British* Columbia   Graduated May 2020

WORK EXPERIENCE

Medical Laboratory Assistant, *LifeLabs*   August 2021 – April 2022
- Designed and implemented 15+ complex DAGs (Directed Acyclic Graphs) using **Apache Airflow** to automate **ETL pipelines**, reducing data processing time by 40%.
- Executed **SQL** queries on COVID-19 test specimen data, enabling comprehensive and efficient data extraction for over 1000 COVID-19 test specimens per day.
- Crafted insightful data visualizations in **Tableau** to drive decisions on COVID-19 testing, therefor increasing staffing proficiency at testing locations.

Statistical Researcher, *Vancouver General Hospital Medical Research Group*   May 2020 – December 2020
- Utilized advanced statistical methods in **Python** with **sci-kit learn** to explore the gender disparity in Physiology departments throughout North America.
- Authored research findings in strong scientific language for publication as **First Author** in scientific journal.
- Publication: Ahmad, Imad, and Najib U Khan. "Sex Disparity Among Faculty of Physiology in North American Academia: Differences in Scholarly Productivity and Academic Rank." *Cureus* vol. 12,12 e11850. 2 Dec. 2020, doi:10.7759/cureus.11850

Intern, *UBC Family Practice Clinic*   October 2019 – May 2020
- Translated patient data into compelling visual presentations in **Tableau** for staff meetings to promote data-driven discussions.
- Cleaned and organized patient data into Excel database, providing an efficient way to automate tasks and extract patient data when needed.
- Developed a customized mass email system for effective communication, facilitating prompt notifications regarding COVID-19 and strengthening patient-provider communication, leading to a 60% increase in communication time.

PROFESSIONAL CERTIFICATIONS

AWS Certified Cloud Practitioner, *Amazon Web Services*   August 2023

HIGHLIGHTED PROJECTS

Recycling Image Classifying Robot
- Developed **TensorFlow-based Convolutional Neural Network** to accurately classify images of waste.
- Built **Neural Network** model on images from Kaggle and **web-scraped** images using the **Selenium** library to attain **85% accuracy**.
- Enabled real-time waste classification by transferring the built model onto a Raspberry Pi powered robot (video).

Chessalytics
- Published an insightful Medium article where I analyze four years' worth of personal game data from Chess.com.
- Employed both **Tableau** and **Plotly** to craft interactive visuals for the blog post, enhancing reader engagement.
- Demonstrated a robust understanding of data analysis and presentation through powerful insights, underlining data-driven decision making.