Qusay Qadir

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EDUCATION

University of McMaster — Hamilton, ON
B.Eng. Computer & Electrical CO-OP minor in CS — *Sept 2022 – May 2026*

- **GPA:** 3.7/4.0
- **Courses:** Discrete Math, Data Structures & Algorithms, Statistics & Probability, Differential Eq'ns, Advanced Calculus

TECHNICAL SKILLS

Languages: Python, SQL, C/C++, R, JavaScript, Java, HTML, CSS, Bash
Technology: IBM Cognos Analytics, SQL Server, Tablue, Excel, Jupyter Notebook, GitHub, Git, Google Cloud Platform, Tensor Flow, Figma
Tool: Predictive Modelling, Machine Learning, Artificial Neural Networks, Web Scraping
Lib & Methodology: Pandas, NumPy, Scikit-learn, dlib, OpenCV, Matplotlib, Statistical Analysis, Data Wrangling

PROJECTS

OpticFocus Analyzer - Computer Vision & Image Analysis — Nov 2023

- Utilized dlib's face detection and shape predictor functionalities to accurately identify facial landmarks and track eyes within video frames. Implemented image processing techniques using OpenCV, including grayscale transformations and circular masking, to isolate and analyze eye regions effectively.
- Developed custom algorithms to fit ellipses to pupil contours, quantifying and analyzing potential changes pupil dilation within two static eye images.

Credit Risk-Approval Model — Aug 2023

- Asses credit worthiness of an applicant to determine whether the applicant is likely to repay the borrowed funds. Using logistic regression and train test split a 73% accuracy score was achieved for the trained data.
- Developed technical skills in pandas and data frame manipulation to assess the importance of certain data.

Credit Card Fraud Determination — July 2023

- Used a data set from Kaggle that categorized credit card transactions as either fraudulent or justifiable, used logistic regression to train a model and achieved an approx 95.3% accuracy score for the trained data and 94.41% score for the test data.
- Used python libraries: pandas, numpy, scikit-learn to train the model such that it can autonomously analyze patterns, trends, and anomalies of transactions to identify potential fraud.

EXPERIENCE

Sales Assosicate — June 2022 – Sept 2023
Tip Top Tailors — *Newmarket, ON*

- Achieved and exceeded monthly sales targets by effectively promoting products and upselling accessories achieved by averaging 3.8 UPT. Managed cash register transactions accurately and efficiently, processing payments and returns accomplishing a 87% email retrieval.
- Collaborated with team members to meet daily and weekly store goals as well as built strong relationships with repeat customers, resulting in improved customer loyalty.

CERTIFICATIONS

IBM - Data Analyst Professional Certificate

- Developed skills in Excel such as data wrangling, graphs, and dashboarding. Gained insights on collecting data through rest APIs and web scraping. Cultivated knowledge in SQL, as well as Relational Databases.

DeepLearning.Ai & Stanford - Machine Learning Specialization

- Developed skills in how to build and train supervised models for prediction & binary classification. Train neural networks with Tensor Flow to build and use decision trees & tree ensemble methods.
- Use unsupervised learning techniques for unsupervised learning including clustering & anomaly detection and build deep reinforcement learning models.