

SELAM SALEH

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Professional Summary

Data Science and Analytics graduate with experience in data analytics, machine learning, and business intelligence. Skilled in Python, SQL, Tableau, and predictive modeling, with hands-on experience building analytics pipelines, dashboards, and machine learning solutions.

Technical Skills

Programming: Python, SQL, R

Data Analytics: Data Cleaning, Exploratory Data Analysis (EDA), Feature Engineering, Statistical Analysis

Machine Learning: Classification, Regression, Model Evaluation, XGBoost, Scikit-learn

Deep Learning & NLP: PyTorch, CNNs, Feature Extraction, Text Mining, TF-IDF

Data Engineering: APIs, Web Scraping, SQLite, ETL Pipelines, Automation

Visualization: Tableau, Power BI, Matplotlib, Seaborn

Tools: Git, GitHub, Jupyter Notebook, Excel

Experience

Data Analytics Intern

May 2025 – August 2025

Student Recruitment - Seneca Polytechnic

Toronto, Ontario

- Built 2 interactive Power BI dashboards and KPI reports to monitor recruitment performance and support stakeholder decision-making
- Developed automated Python and SQL workflows to collect, clean, and transform operational datasets for reporting and performance analysis
- Improved reporting accuracy through data validation, quality checks, and structured preprocessing techniques
- Collaborated with stakeholders to translate reporting requirements into actionable visual analytics solutions

Projects

Live Job Market Analytics Pipeline | Python, SQLite, Pandas, APIs, Web Scraping, NLP, Tableau

April 2025

- Developed an end-to-end analytics pipeline that collected live job postings using APIs and web scraping
- Built automated ETL workflows using Python and SQLite to clean, standardize, and store labor market data
- Applied NLP-based skill extraction techniques to identify in-demand technical skills across Data Analyst, Business Intelligence, and Data Science roles
- Designed interactive Tableau dashboards to visualize hiring trends, skill demand, and remote work availability

Customer Churn Prediction | Python, Scikit-learn, XGBoost, SMOTE

November 2024

- Built an end-to-end machine learning pipeline to predict customer churn using behavioral and transactional data
- Performed exploratory data analysis and feature engineering to identify key drivers of customer attrition
- Trained and evaluated multiple classification models, with XGBoost achieving the strongest performance
- Generated actionable insights to support customer retention strategies

Melanoma Risk Classification | Python, PyTorch, Scikit-learn, Gradio, Hugging Face Spaces

April 2026

- Developed a hybrid deep learning pipeline combining CNN feature extraction and machine learning classification
- Leveraged ResNet18 to extract image features from dermoscopic skin lesion images
- Addressed class imbalance through threshold optimization and precision-recall analysis
- Deployed an interactive melanoma risk assessment application using Gradio and Hugging Face Spaces

Education

Seneca Polytechnic

Sep. 2022 – May 2026

Honours Bachelor of Data Science and Analytics | GPA: 3.9/4.0

Toronto, Ontario

Relevant Coursework

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|------------------------|-------------------|-------------------|----------------------|
| • Machine Learning | • Data Mining | • Data Structures | • Data Visualization |
| • Predictive Analytics | • Database Design | • Algorithms | • Text Mining |

Additional Experience

Student Recruitment Assistant

Oct. 2023 – Present

Student Recruitment - Seneca Polytechnic

Toronto, Ontario

- Supported recruitment operations, reporting workflows, and event coordination in a data-driven environment.

Sales Associate / Manager on Duty

August 2022 – Jan. 2023

Rogers Communications

Toronto, Ontario

- Led daily operations, coached staff, and consistently exceeded sales targets in a high-volume environment.