

SUMMARY

Data Science graduate with a unique dual background in Accounting and Auditing. Proven ability to leverage Python and SQL for data analysis, predictive modeling and financial data processing. Seeking to apply expertise in statistical analysis and machine learning to solve complex business problems and drive growth within the fintech industry.

EXPERIENCES

- ED Data Hub, Lebanon | Data Science Intern**

NOV 2024 – MAR 2025

 - Developed a Python based program to analyze sales and stock data from 9 excel workbooks, applying data cleaning and quantitative analysis to identify key performance indicators.
 - Communicated key business insights by developing data visualizations with Matplotlib, including bar chart to show the top 5 best selling items and pie charts for the top 3 performing malls.
 - Developed a Flask-based web application to automate the data processing pipeline, streamlining the data preparation and analysis workflow for internal use.
- Mazars, Lebanon | Junior Auditor & Intern**

OCT 2021 - FEB 2024

 - Conducted in-depth financial data analysis to audit financial statements and ensure data integrity across diverse company portfolios.
 - Executed meticulous data reconciliation for over 20 clients accounts, identifying discrepancies and ensuring consistency between internal records and bank statements.
 - Ensure data integrity by meticulously maintaining operating records on the PIMS accounting software, supporting accurate financial reporting.

PROJECTS

- Heart Disease Risk Assessment | Final Year Project for Bachelor’s in Data Science**

DEC 2024 – JUNE 2025

Supervisors: Dr. Hamsa Hasrouni & Mr. Elie Dina | **Teammate:** Magalie Hoyek

 - Developed a predictive model for heart disease risk using Python and scikit-learn, achieving a 74.83% F1 score on an imbalanced dataset of 10,000+ patient records.
 - Performed extensive data preprocessing, including SMOT oversampling and hyperparameter tuning, to improve model performance and generalization.
 - Developed a user-friendly Streamlet application that provide real-time predictions based on the final model, demonstrating full stack data science workflow.
- Administrative, accounting and financial study of a company | Final Year Project for Bachelor’s in Accounting and Auditing.**

MAR 2024 - DEC 2024

Supervisors: Dr. Bachir El Murr | **Substitute:** Dr. Abir Tarbay

 - Conducted a comprehensive financial analysis on a company facing economic crisis, identifying a decline in profitability and a weakening in the financial structure.
 - Analyzed financial statements and key financial ratios to assess performance and identify strategic weaknesses.
 - Provide five key recommendations to senior management, offering data-driven strategies for improving financial health and ensuring business continuity.

EDUCATION

- Lebanese University, Jdeideh, Lebanon | Bachelor’s Data Science**

NOV 2022 - JULY 2025

Introduction to Programming (Python, R, C++, Java), Statistics, Data Visualization, Data Base (SQL Language), Machine Learning, Data Mining...
- Lebanese University, Achrafieh, Lebanon | bachelor’s Accounting and Auditing**

DEC 2019 - DEC 2024

Accounting (individual companies, financial institution), Taxation, Banking laws, Bank Accounting, Auditing, Financial Analysis, Internal Audit...
- Collège Saint Joseph, Antoura, Lebanon | High School Diploma in General Science**

SEP 2004 - JUL 2019

TECHNICAL SKILLS	PROFICIENCIES	ADDITIONAL EXPERIENCE
Programming Languages: Python, R, SQL	Computer Skills: Microsoft office applications (Word, PowerPoint, Excel)	Private Tutoring OCT 2021 - NOV 2024
Data Analysis and ML Libraries: Pandas, NumPy, scikit_learn, Matplotlib, Seaborn	PIMS (Accounting Software), R studio, Visual Studio	Summer Camp Coach, Rabieh Nursery SEP 2016 - NOV 2021
	Languages: Arabic, French, English	Catering, Lunchbox SEP 2016 - NOV 2021