

# Rihab Atwi

Tahwitat Al Ghadir, Beirut, Lebanon

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*A dedicated Data & ML Engineer with a knack for collaborative problem-solving. Armed with expertise in Python, SQL, & machine learning techniques, passionate about leveraging data for impact. Seeking new opportunities to learn & excel.*

## Education

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**Master of Science in Computer and Communication Engineering** – Lebanese University, Beirut, Lebanon

September 2017 – September 2022

Thesis: Intelligent Real-Time Traffic Monitoring System (2022)

## Training and Certifications

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**Full-Stack Data Bootcamp** – SE Factory, Beirut, Lebanon

August 2023 – October 2023

Completed an intensive full-stack data program covering cloud serverless architecture, ETL, SQL, Python and PowerBI over 12 weeks of lectures, workshops, and projects.

## Professional Experience & Projects

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**Data Analyst** – Maids.cc, Remote

November 2023 – January 2024

- Developed and implemented a machine learning model by extracting data from the database for training purposes; played a key role in optimizing the model and collaborated with the team to successfully deploy it for enhanced project outcomes.
- Proficiently executed data extraction and analysis from the company's ERP system, employing MySQL queries to access and gather pertinent data for diverse projects and reports.

**Yelp Restaurant Data Analysis** – Full-Stack Data Project [[GitHub Link](#)]

October 2023 – November 2023

Conducted ETL analysis on Yelp restaurant data to uncover insights into the restaurant industry, including customer preferences, user behavior, and business performance, guiding data-driven decisions and improvements in this domain.

- ETL
- Data Handling / SQL Querying + Optimization
- Data Handling using Python Pandas
- AWS Serverless Architecture
- Data Visualization using PowerBI

**Telecom Engineering Intern** – Ogero, Bir Hasan, Beirut

June 2022 – August 2022

Attained a thorough understanding of telecom concepts, including DSL, fiber optics, switches, and cables, complemented by practical experience in hands-on fiber installation and acquired in-depth knowledge of the Lebanese telecom sector, including expertise in fixed/mobile services and internet technologies.

**Machine Learning Engineering Trainee** – Zaka, Remote

February 2022 – June 2022

Achieved proficiency in data preparation, visualization, and manipulation with Matplotlib, NumPy, and Pandas. Skilled in Scikit-learn and TensorFlow, specializing in CNN and RNN models for medical and computer vision applications. Experienced in supervised and unsupervised learning, Gradient Descent, and Naive Bayes, showcasing advanced expertise in data science.

## Key Skills

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- **Programming (and Scripting) Languages** // SQL, Python, DAX Programming, C
- **Database Management Systems** // PostgreSQL
- **Frameworks and Libraries** // OpenCV, Pandas, sklearn, Matplotlib, NumPy, Scikit-learn, TensorFlow, Keras, psycpg2, Git
- **Tools and Cloud Service** // Microsoft PowerBI, Serverless Architecture, Cloudwatch
- **Theory** // Data Analysis, Query Optimization, ETL Processing, Data Flow and Data Pipelines, Data Analysis, Data Visualization

## Languages

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- Arabic (Native); English (Fluent); French (Intermediate)