Rihab Atwi

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Education

Software Engineering, Core Curriculum, 42 Beirut	June 2024 - Present
MSc in Computer & Communication Engineering, Lebanese University	Sep 2017 - Oct 2022

Professional Experience

Data Analyst (Contract) — Nov 2023 - Jan 2024
Maids.cc — *Remote*
- Developed machine learning model by extracting and optimizing data from the database.
- Utilized MySQL for data extraction and analysis from the ERP system for various projects and reports.

Full-Stack Data Bootcamp — Aug2023 - Oct 2023
SE Factory — *Beirut*
- Completed a 12-week program covering cloud serverless architecture, ETL, SQL, Python, and PowerBI, with hands-on projects and real-world applications.
- Developed ETL pipelines & created interactive dashboards in PowerBI, focusing on data-driven solutions.

Telecom Engineering Intern — June 2022 - Aug 2022
Ogero — *Bir Hasan, Beirut*
- Gained in-depth knowledge of telecom concepts such as DSL, fiber optics, switches, and cables, with hands-on experience in fiber installation and expertise in the Lebanese telecom sector, including fixed/mobile services and internet technologies.

Machine Learning Engineering Trainee — Feb 2022 - June 2022
Zaka — *Remote*
- 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.

Projects

So Long 2D Game [Github Link] — Aug 2024
- Developed a 2D game in **C** using the MinilibX library, featuring player movement and item collection, and created a custom map parser for step counting and win conditions.

Push Swap Sorting Algorithm [Github Link] — July 2024
- Developed an optimized integer sorting program in **C** with minimal operations, including input validation, memory management, and efficient error handling.

Yelp Restaurant Data Analysis [Github Link] — Oct 2023 - Nov 2023
- Conducted ETL analysis on Yelp data to uncover insights into customer preferences and business performance. Utilized **SQL**, **Python**, **Pandas** and **PowerBI** for data visualization and optimization.

Technical Skills

- **Programming Languages:** C, SQL, Python, DAX
- **Database Systems:** PostgreSQL
- **Libraries & Frameworks:** OpenCV, Pandas, scikit-learn, Matplotlib, NumPy, TensorFlow, Keras
- **Tools & Services:** Microsoft PowerBI, Serverless Architecture, CloudWatch, Git
- **Key Skills:** Data Analysis, ETL Processing, Data Visualization, Query Optimization, Shell Scripting

Certifications

- **Seeds For The Future** | Huawei | Aug 2021
- **CCNA: Switching, Routing, and Wireless Essentials |** Cisco | Oct 2020
- **CCNA Routing and Switching: Introduction to Networks** | Cisco | May 2020

Certifications

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