

# Zahraa Dokmak

Beirut, Lebanon

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*Full stack data scientist passionate about turning messy, overlooked data into valuable insights that can reshape perspectives.*

## Education

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**Bachelor of Science in Data Science** – Lebanese University, Beirut, Lebanon

September 2021 – Present

Coursework: Database Management Systems, Data analysis in R, Web Scraping, Business Analytics, Data Structures and Algorithms, Object-Oriented Programming, Web Design and Development, Statistics, Calculus, Discrete Math, Management Information System.

**Master 1 in Environmental Chemistry** – Lebanese University, Faculty of Science, Beirut, Lebanon.

September 2019 – June 2020

**Bachelor of Science in Chemistry** – Lebanese University, Beirut, Lebanon

September 2016 – June 2019

## 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.

**Foundations of Computer Science Course** – SE Factory, Beirut, Lebanon

April 2020 – May 2020

Intensive foundation of computer science program covering foundational concepts of Computer Science using Python, complexity analysis, data structures, and algorithms over 9 weeks of lectures.

## Professional Experience & Projects

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**Airbnb Analysis and Forecasting** – Full-Stack Data Project [[GitHub Link](#)]

October 2023

Conducted a comprehensive analysis of Airbnb data within a specific demographic area, with the primary objectives of refining pricing strategies and forecasting investment opportunities.

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

**Private Tutor**, Beirut, Lebanon

2020-2023

Developed engaging lessons and adeptly guided students, particularly in science, fostering a positive shift in their learning approach through motivation. Additionally, instructed non-native students in Arabic language, employing a tailored curriculum to enhance their language skills.

## Key Skills

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- **Programming (and Scripting) Languages** // SQL, Python, Java, R, DAX Programming
- **Database Management Systems** // PostgreSQL
- **Frameworks and Libraries** // Pandas, NumPy, AWS Serverless, psycpg2
- **Tools and Cloud Service** // Amazon Web Services, Microsoft PowerBI, Serverless Architecture, CloudWatch, CDK Development
- **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)