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[Portfolio-Website](#) | [GitHub](#) | [LinkedIn](#) | [YouTube](#) | [Kaggle](#) | o.osamaalaa678@gmail.com

Journey

IBM DATA SCIENCE PROFESSIONAL CERTIFICATE

6 Months Program Courses:

- What is Data Science?
- Tools for Data Science.
- Data Science Methodology.
- Python for Data Science, AI & Development.
- Python Project for Data Science.
- Database and SQL for Data Science with Python.
- Data Analysis with Python.
- Data Visualization with Python.
- Machine Learning with python.
- Applied Data Science Capstone.

Gained Skills:

- Data Science – Deep Learning
- Machine Learning – Big Data
- Data Mining - GitHub
- Jupyter Notebooks. – RStudio
- IBM Cloud – Data preprocessing
- Data Analysis – Data Visualization
- **Python Programming.**

[Show Credential](#)



GOOGLE DATA ANALYTICS PROFESSIONAL CERTIFICATE

6 Months Program Courses:

- Foundation: Data, everywhere.
- Ask Questions to Make Data-Driven Decisions.
- Prepare Data for Exploration.
- Process Data from Dirty to Clean.
- Analyze Data to Answer Questions.
- Share Data Through the Art of Visualization.
- Data Analysis with R Programming.
- Complete Case Study.

Gained Skills:

- Data Cleaning – Problem Solving
- Critical Thinking – Data Ethics
- Data Visualization - Presentations
- Spreadsheets – SQL -Tableau
- Storytelling – Presentation
- **R Programming.**

[Show Credential](#)

Education

BACHELOR DEGREE | COMPUTER SCIENCE | CAIRO UNIVERSITY 2019 - 2023

- Department: Bioinformatics – Data Science
- GPA: Very Good



4 Years Degree Courses:

- Structural Programming.
- Object-Oriented Programming.
- Data Structures and Algorithms.
- Ai and Machine Learning.
- Statistics and Mathematics.
- SQL and Databases.
- Computer Architecture and Network fundamentals.
- Molecular Biology and Biochemistry.

Gained Skills:

- Knowledge of computer science core concepts. – understanding of software engineering process.
- Understanding the importance of Mathematics and statistics.
- **C++ Programming.**

Projects & Cases Study



airbnb NEW YORK PROJECT | PYTHON

[VIEW NOTEBOOK](#)

- Airbnb is an organization that operates an online marketplace for lodging, primarily homestays for vacation rentals, and tourism activities.
- We analyzed New York data for almost 49,000 listings.
- We worked throw 3 main steps:
 - 1- Explore and understand the data.
 - 2- Analyze and Predict Regression models.
 - 3- Visualize findings and Act.



bellabeat DATA ANALYSIS CASE STUDY | R

[VIEW NOTEBOOK](#)

- Bellabeat is a high-tech manufacturer of health-focused products for women.
- We analyzed smart devices fitness data to gain insight into how consumers are using their smart devices. The insights we discovered helping guide marketing strategy for the company.
- The analysis presented as recommendations for Bellabeat's marketing strategy.

Technical Skills

**SPREADSHEETS - SQL – PYTHON – R – DATA VISUALIZATION – MACHINE LEARNING
- STATISTICS AND MATHEMATICS PRACTICAL KNOWLEDGE.**

Soft Skills

CURIOSITY – ADAPTABILITY – COMMUNICATION – DELIBERATED.

Additional Skills

PHOTOSHOP – ADOBE AFTER EFFECTS – ADOBE PREMIERE – ILLUSTRATOR