

Education

BACHELOR OF BUSINESS ANALYTICS – Egyptian Russian University – Cairo, EG

June 2025

Majors: Business Analytics, Data Science, Data Analytics

Skills

Python	Excel	Machine Learning	Creativity
R Programming	Problem-Solving	English (advanced level)	Team leading
Power Bi	SQL	Communication	

Projects

MUSIC STREAMING PLATFORM DEVELOPMENT (INSPIRED BY SPOTIFY) – Personal Project – Cairo, EG February 2024

- Designed and developed a music streaming platform with a focus on user authentication, playlist management, and advanced music discovery. Created a robust database system to facilitate seamless user experience, personalized recommendations, and efficient data management. Integrated a comprehensive set of features for immersive music exploration, leveraging skills in SQL, data analysis, and database design (ERD, schema).

ANALYZING HEALTHCARE DATA – Personal Project – Cairo, EG January 2024

- This project emphasized the importance of data in enhancing patient outcomes, optimizing costs, and improving service quality in healthcare. By visualizing these complex datasets, I was able to uncover critical insights that can drive smarter decision-making in healthcare, ultimately contributing to more effective resource allocation.

CHURN RATE ANALYSIS – Personal Project – Cairo, EG October 2023

- In today's competitive business landscape, understanding customer churn is essential for sustainability and growth. Churn rate, the percentage of customers who stop using a product or service, directly impacts revenue and profitability. By leveraging Power BI, this project provides actionable insights into churn trends, high-risk segments, and root causes, enabling businesses to implement data-driven strategies for improved customer retention.

EGYPTIAN LEAGUE PERFORMANCE ANALYSIS – Personal Project – Cairo, EG April 2023

- Developed a Power BI dashboard analyzing Egyptian League data (2000/2001–2023/2024), providing insights into team performance, defensive strength, win/loss ratios, and high-scoring matches. The project helped identify trends, assess the impact of draws, and deliver actionable insights for fans and team management, supporting data-driven decision-making.

SALES PREDICTION MODEL DEVELOPMENT – Personal Project – Cairo, EG December 2022

- Developed a sales prediction model using Python, involving data preprocessing (handling missing values, encoding, outlier removal), and exploratory analysis of Sales Amount, Quantity, and Customer Age. Applied Linear Regression, Random Forest Regressor, and SVR for predictive modeling, evaluating performance with MAE, MSE, and R-squared. Created a **Stream lit** app for real-time sales predictions, deploying the model as sales_model.pkl.

Career achievements:

- Data analysis using Excel and Power BI. (from planet of skills academy)

- Data science using Python and SQL. (from planet of skills - academy)

- Completing AI workshop. (from DotPy)

- CCNAv7: Introduction to networks. (from Cisco)

- CCNAv7: Switching, Routing and Wireless Essentials. (from Cisco)

- Dealing with ChatGPT. (from Data Camp)

- Data Science in Python. (from Data Camp)
- CCNAv7: Enterprise Networking, Security and Automation. (from Cisco)

- How to Think Like a Data Scientist to Become One. (from 365 Data Science)

- R Programming. (from 365 Data Science)

- Communicating Data Insights. (from Data Camp)

- Data analysis in SQL. (from Data Camp)