Mohamed Hakam

+(20)1123174413· Giza, Egypt
Gmail. Linkedin

Education

Bachelor of Electronics and Communication Engineering — Cairo University   2021 – 2026
Junior with a general grade of Excellent.
Skills: Python, SQL, PowerBI, Azure, Tableau, Power Query,NumPy, Pandas, Matlab, Looker.

Work Experiences

Virtualizeer —Data Analyst   May 2024 - present
Virtualizeer is a B2B-focused company specializing in 360° virtual tour services for real estate, education, and hospitality sectors.
during my work as a Data Analyst I did the following:

- Analyzed and visualized client data, boosting operational insights and marketing efficiency, contributing to a 20% increase in client acquisition.
- Built dynamic Power BI dashboards to track KPIs, improving project performance monitoring.
- Conducted client segmentation, optimizing targeted campaigns and increasing engagement rates by 15%.
- Worked with the marketing Team, on how to increase overall customer return ratio and we were able to increase it to 30% more than what It used to be.

DEPI Intern — Data Analysis With Power BI   May 2024 - Nov 2024
As a Data Analyst Intern specializing in Power BI, I gained hands-on experience in:

- Connecting Power BI to various data sources like Excel, Azure and SQL databases and used Power Query for cleaning and preparing data.
- Building relationships between tables and optimized models using star schema and calculated columns.
- Creating measures for KPIs, time intelligence, and custom calculations to analyze business performance.
- Designed interactive dashboards with slicers, drill-throughs, and custom visuals to present insights effectively.
- Strengthened skills in querying databases for data manipulation and integration with Microsoft Azure.

Call Option Price Prediction — Researcher and Writer   Oct 2023 – Dec 2023

- Co-developed a tool using PDE and AI principles to solve the Black-Scholes model.
- Demonstrated AI model as the most reliable (MAE: 4.688871).
- Integrated models into a web app for risk calculation and market updates.
- Ranked 2nd in the 10th Undergraduate Engineering Mathematics Research Forum, Cairo University.

Image & Audio Processing — MATLAB   Dec 2023 – Dec 2023
Completed projects implementing:

- Image operations (edge detection, sharpening, blurring) and Fourier Transform-based restoration.
- Amplitude modulation and frequency-division multiplexing-based communication systems.