Mohamed Darwish

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Work Experience

Feb 2024 – Feb 2026| Data Analyst & Power BI Specialist, Heroleads

- Build and maintain Power BI dashboards and reports to track key business metrics.
- Analyze performance data using Python, Excel, and Google Sheets.
- Ensure data accuracy through quality checks and collaboration with internal teams.
- Provide weekly insights, highlighting trends, risks, and opportunities in digital marketing campaigns.
- Support the development and improvement of data systems and processes.
- Prioritize and manage data-related projects with client success teams.
- Stay up to date with Power BI best practices and report to the Head of Performance & Data

Oct 2021 – Oct 2023 | Software Engineer, First Lieutenant, Egyptian Air Force in Association with US Air Force, Certificate

- Resolved 95% of database issues on time as a junior software engineer and was later promoted to First Lieutenant, maintaining 100% mainframe uptime and high user satisfaction.
- Led 4 officers and 20+ soldiers while overseeing the rollout of next-gen mainframe, software, and network hardware for more than 10,000 users.
- Collaborated with U.S. Air Force engineers to analyze and migrate databases containing 25,000+ tables and used Tableau and Power BI to present insights to commanders.

Education

Bachelor of Engineering, Zewail City of Science and Technology, Aerospace Engineering

Certificates

Date	Certificate	Link
Mar 2024	**Marketing Analytics with Meta**	Certificate
Mar 2024	**Data Analytics Methods for Marketing**	Certificate
Nov 2023	**Version Control, Meta-Coursera**	Certificate
Oct 2023	**Statistics for Marketing, Meta-Coursera**	Certificate
Oct 2023	**Introduction to Data Analytics, Meta-Coursera**	Certificate
Sep 2023	**Introduction to Databases, Meta-Coursera**	Certificate
Sep 2023	**Marketing Analytics Foundation, Meta-Coursera**	Certificate
Sep 2023	**Google Analytics for Beginners, Google**	Certificate
Jul 2022	**Data Analysis Advanced Nano Degree, Udacity**	Certificate
Mar 2022	**Data Analysis Professional Nano Degree, Udacity**	Certificate

Publications

- **Darwish, M. H.**, Elgohary, A. A., Gomaa M. M., Ashry, A. M., Kaoud A. M, Taha, H. E. "A Comparative Assessment of the Performance of PID and MPC Controllers: A UAV Altitude Hold Autopilot Case Study." AIAA SciTech Forum 2022-1519, San Diego, California, USA. https://doi.org/10.2514/6.2022-1519
- Elgohary, A. A**.,** Ashry, A. M., Kaoud A. M., Gomaa M. M., **Darwish, M. H,** Taha, H. E. "Hardware-in-the-loop Simulation of UAV Altitude Hold Autopilot." AIAA SciTech Forum 2022-1520, San Diego, California, USA. https://doi.org/10.2514/6.2022-1520

Software

- Python ****
- Power BI ****
- Tableau ****
- Google Analytics ****

- Agile Project Management ****
- SQL ****
- MATLAB ****
- C++ ***

- Microsoft Office packages including Word, Excel, and PowerPoint. *****

Languages

- Arabic   Native
- English   Fluent

- Germany   Beginner
- Spanish   Basics