

Abdelrahman Emara

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EDUCATION

Mansoura University

Bachelor of Engineering - Communication and Electronics Department

Egypt

Sep. 2020 – June 2025

EXPERIENCE

Data Analyst — Independent Projects

Oct 2025 – Present

- Designed and delivered end-to-end data analytics solutions covering data collection, cleaning, modeling, and visualization.
- Built SQL-based analytical data models and Power BI dashboards to support business and operational decision-making.
- Applied statistical analysis and exploratory data analysis (EDA) to extract actionable insights from raw datasets.
- Translated complex data into clear insights using interactive dashboards and data storytelling techniques.
- Worked with diverse datasets, including sales, HR, and sports analytics use cases.

PROJECTS

End-to-End Sales DWH & Analytics Solution 🔗 | SQL Server, Power BI

Oct 2025 – Nov 2025

- Designed and implemented a Sales Data Warehouse using Medallion Architecture (Bronze/Silver/Gold)
- Bulk-loaded, cleaned, and validated raw CSV data, enforcing referential integrity and creating surrogate keys
- Built analytical Gold layer optimized for BI with star-schema modeling
- Developed KPIs and business rules to measure revenue, profitability, and sales performance
- Created an interactive Power BI multi-dashboard with sales analysis, product analytics, customer segmentation, and ad-hoc Q&A

End-to-End English Football Analytics 🔗 | Web Scraping, Python, Power BI

Dec 2025 – Jan 2026

- Collected and cleaned multi-season Premier League and Championship match data using Python and web scraping
- Standardized datasets across seasons and performed exploratory data analysis (EDA) to uncover league trends
- Conducted feature engineering for league performance, home advantage, referee behavior, and bet market analysis
- Built a 12-page interactive Power BI dashboard delivering insights through visualization and storytelling
- Enabled data-driven analysis of league performance, efficiency, and structural differences

HR Attendance Analytics & Monitoring System 🔗 | Excel, Power Query, Power Pivot, Power BI

Feb 2026

- Collected and cleaned 3 months of Excel attendance logs, unpivoted data, and standardized attendance statuses
- Built a consolidated fact table with Power Query and reusable functions
- Developed interactive Power BI dashboards with key attendance and leave metrics for workforce monitoring
- Enabled HR to track attendance patterns and make informed operational decisions efficiently

TECHNICAL SKILLS

Programming & Databases: Python, SQL (MS SQL Server, MySQL)

Data Processing & Analysis: Data Cleaning, Preprocessing, EDA, Statistical Modeling (SciPy, Statsmodels)

Data Visualization & BI: Power BI (DAX, Power Query), Matplotlib, Seaborn, Plotly

Data Engineering & ETL: ETL Pipelines, Data Warehousing, Star Schema, Web Scraping (BeautifulSoup)

Tools & Libraries: Excel (Advanced), Jupyter, VS Code, Azure, Pandas, NumPy, Scikit-learn, SQLAlchemy

CERTIFICATIONS

Associate Data Analyst 🔗 | DataCamp

LANGUAGES

Arabic: Native

English: Professional Working Proficiency (B2/C1)

German: Elementary (A1/A2)