Abdulrhman Mohamed Gomaa

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Summary

Data Analyst skilled in cleaning, modeling, visualization, and predictive analytics. Completed the DEPI Data Analysis Track (Dec 2025). Built end-to-end real-world projects including a multi-season **Formula 1 analytics pipeline** and a **season winner prediction app**. Strong experience with Python, SQL, Power BI, ETL workflows, dashboarding, and extracting insights from complex datasets.

Projects

F1 Pit Stop Performance Analysis (2018–2024)   [GitHub Repository]

- Built an end-to-end analytics system over 28K+ records using Python + Power Query.
- Designed a **star-schema model**: Fact PitStops + Dim Driver, Constructor, Race, Season.
- Built multi-page **Power BI dashboards**: Driver, Constructor, Tire Strategy, Deep Dive.
- Delivered insights on pit efficiency, driver aggression, finishing trends, and team performance.

F1 Season Winner Prediction Model — ML + Streamlit   [GitHub Repository]

- Built an **XGBoost classification model** to predict the F1 season champion based on performance consistency, pit-stop behavior, and driver competitiveness.
- Achieved strong accuracy using stratified train–test evaluation and hyperparameter tuning.
- Visualized feature importance to explain model decisions.
- Deployed an interactive **Streamlit app** allowing users to upload datasets and receive ranked championship predictions with win probabilities.

Experience

Data Analytics Trainee — Digital Egypt Pioneers Initiative (DEPI)   *Jun 2025 – Dec 2025*

- Worked across full analytics lifecycle: data cleaning, SQL, ETL, DAX modeling, dashboarding, and Python analysis.
- Completed real-world projects applying BI workflows, KPI reporting, automation, and model deployment.

AI Intern — IctHub Egypt   *Summer 2024*

- Built a logistic regression spam classifier and a Gradio-powered chatbot for course inquiries.

Education

Arab Academy for Science, Technology and Maritime Transport (AAST), Cairo
B.Sc. Computer Science — Expected 2026
GPA: 3.65 / 4.00 (Excellent)

Digital Egypt Pioneers Initiative (DEPI) — Data Analysis Track
Completed Dec 2025

Skills

Data Analysis & BI	Power BI, DAX, Power Query, Excel, Tableau, R Shiny
Programming	Python (pandas, numpy, matplotlib, seaborn, scikit-learn), SQL
Machine Learning	Classification & Regression, Feature Engineering, Model Evaluation, Streamlit Deployment
Data Engineering	ETL Automation, Star Schema Modeling, Data Cleaning Pipelines
Soft Skills	Problem Solving, Communication, Analytical Thinking

Languages

Arabic: Native
English: Very good in listening, reading, and writing