Marwa Hemdan

Junior Data Analyst

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PROFILE

Recent graduate with a B.Sc. in Computer Science and certified in Google Data Analytics. Detail-oriented and analytical junior data analyst with hands-on experience in data cleaning, transformation, and visualization using Excel, SQL, Tableau, and basic Python. Strong ability to extract actionable insights from complex datasets and communicate findings clearly. Eager to contribute to data-driven decision-making in a dynamic, team-oriented way.

TECHNICAL SKILLS

Tools & Languages: Excel, Google Sheets, SQL, Tableau, Power BI (familiar), R, Python (basic), BigQuery

Data Skills: Data Cleaning, Data Extraction, Data Manipulation, Data Visualization, Business Intelligence, Reporting, Data-Driven Decisions, Predictive Analytics

SOFT SKILLS

Analytical Thinking, Communication, Problem Solving, Attention to Detail,and Deadline-Oriented

CERTIFICATION

Google Data Analytics Professional Certificate
Coursera | [Apr, 2025]
Completed 8-course program covering data cleaning, analysis, visualization, and tools such as SQL, R, and Tableau.

IELTS – International English Language Testing System
British Council | [Apr, 2024]
Achieved an overall band score of **6** , demonstrating proficiency in English listening, reading, writing, and speaking skills.

PROJECTS

Bike Sales Dashboard - Excel + Pivot table
- Created interactive dashboard visualizing monthly sales trends and product performance
- Queried dataset using SQL to prepare and structure data
Result: Enhanced sales reporting efficiency and helped identify top-performing products and seasonal trends.

Data Cleaning and Transformation – SQL
- Standardized messy retail dataset, removed duplicates, filled missing values
- Created pivot tables to summarize and analyze results
Result: Improved data reliability and enabled accurate reporting for business stakeholders.

Movie Data Analysis – Python + Pandas + Matplotlib

- Analyzed a dataset of over 5,000 movies to uncover trends in genre popularity, ratings, and revenue
- Performed data cleaning, handled missing values, and standardized columns for analysis
- Created visualizations to explore correlations between budget, rating, and box office success
- Delivered insights on factors influencing movie performance and audience engagement

Result: Revealed key drivers of box office success and informed content strategy based on genre trends.

HR Analytics Dashboard – Tableau

- Developed an interactive dashboard to analyze employee attrition, demographics, and satisfaction score
- Visualized key HR metrics including turnover rate, department-wise headcount, and tenure distribution
- Cleaned and transformed raw HR data in Excel for seamless Tableau integration
- Identified trends and provided actionable insights to support HR decision-making

Result: Enabled data-driven HR strategies by highlighting key factors affecting employee retention and satisfaction.

Student Performance Analysis – Excel

- Analyzed student scores across subjects to identify patterns in academic performance
- Cleaned and transformed raw HR data in Excel for seamless Tableau integration
- Identified trends and provided actionable insights to support HR decision-making

Result: Helped educators recognize at-risk students and optimize teaching strategies based on performance patterns.

EDUCATION

FACULTY OF COMPUTER AND INFORMATION SYSTEMS, Assiut University, Egypt   **2009 – 2013**
B.Sc. (Computer Science)

PROFESSIONAL EXPERIENCE

Front-End Developer   **Jun 2021 – Jul 2023**
ASCWW Company, Assuit, Egypt
- Developed front-end features and collaborated with backend and data systems.
- Improved UI/UX design through regular collaboration with stakeholders.
- Ensured data accuracy across web components and supported multilingual content.

Android Developer   **May 2014 – Aug 2016**
Freelancer, Assuit, Egypt
- Built Android apps using Java and integrated REST/XML APIs.
- Led technical design and implementation to optimize performance.