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## Profile

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Detail-oriented Data Analyst with expertise in **data cleaning**, **visualization**, and **advanced SQL operations**. Proficient in leveraging data to drive **business insights** and optimize decision-making processes. Experienced in executing comprehensive data projects, including data exploration and sales data analysis. Adept at using **analytical tools** and techniques to uncover trends and provide actionable recommendations.

## Skills

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- **SQL** (SQL Server, MySQL)
- **Python** (Pandas, NumPy, SciPy, Matplotlib)
- Microsoft **Power BI**
- **Excel** (VLOOKUP, Conditional Formatting, Pivot Tables)
- Exceptional analytical and **problem-solving** skills.
- Meticulous **attention to detail** and **Curiosity** in data validation to ensure accuracy and reliability.
- Strong **decision-making and analytical thinking** abilities based on data-driven insights.
- Effective **presentation skills** to convey complex information in reports and presentation

## Professional training

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### Data Analysis Training – ITI (Information Technology Institute)

May 2024 - June 2024

- Practical experience with **data collection**, **cleaning**, **analysis**, and **visualization** using **Python**, **SQL**, and **Power BI**.
- Acquired expertise in deriving insights from complex datasets and hands-on experience with **Business Intelligence**.
- Effectively **communicated** findings to stakeholders.
- Applied **problem-solving** abilities to real-world data challenges.

### Artificial Intelligence Training – ITI (Information Technology Institute)

Jan 2023 - Feb 2023

- Practical experience with data and **machine learning algorithms** using **Python**, **Pandas**, and **Matplotlib**.
- Proficient in applying AI and machine learning algorithms such as **regression**, **classification**, and **clustering**.
- Developed proficiency in **model evaluation**, **feature engineering**, and **optimization techniques**.

## Projects

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### Restaurant Sales Analyses Dashboard – Personal Project

June 2024

- Created an interactive **dashboard** to analyze restaurant sales data **using SQL** and data visualization tools.
- Conducted **data cleaning** and **transformation** to ensure **data accuracy** and reliability.
- Developed visualizations to track **key performance indicators**, **sales trends**, and **customer behavior**, enhancing strategic decision-making.

### Covid-19 Data Exploration Project Using SQL – Personal Project

May 2024

- Developed a comprehensive **data exploration** project analyzing COVID-19 data using SQL.
- Performed **data cleaning**, **aggregation**, and advanced querying to uncover insights on infection rates, recoveries, and fatalities.
- Generated **visualizations** to support findings and enhance data-driven decision-making.

### Houses Data Cleaning Project Using SQL – Personal Project

May 2024

- Executed a detailed **data cleaning** project focusing on housing datasets **using SQL**.
- Applied various data cleaning techniques to handle **missing values**, **duplicates**, and **inconsistencies**.
- Improved **data quality** and **reliability**, facilitating **accurate analysis and reporting**.

<b>SQL Operations on Layoffs Data</b> – Personal Project	April 2024
<ul style="list-style-type: none"> <li>Conducted in-depth analysis of layoffs data utilizing <b>SQL</b> to identify trends and patterns.</li> <li>Executed complex SQL operations, including <b>joins</b>, <b>subqueries</b>, and <b>aggregations</b>, to derive meaningful insights.</li> <li>Enhanced the understanding of layoff factors, aiding in strategic decision-making.</li> </ul>	
<b>Accessories Shop Sales Data Analysis Project</b> – Personal Project	April 2024
<ul style="list-style-type: none"> <li>Analyzed sales data for an accessories shop <b>using SQL</b> to uncover sales trends and customer behavior.</li> <li>Conducted <b>data cleaning</b>, <b>transformation</b>, and complex queries to generate actionable insights.</li> <li>Improved business decision-making by providing detailed sales performance reports.</li> </ul>	
<b>Bike Sales Dashboard Project</b> – Personal Project	Mar 2024
<ul style="list-style-type: none"> <li>Developed an interactive dashboard to analyze bike sales data <b>using SQL</b> and <b>visualization</b> tools.</li> <li><b>Cleaned</b> and <b>transformed</b> the data <b>to ensure accuracy</b> and relevance, then created visualizations to highlight key sales metrics and trends.</li> <li>Enhanced data-driven decision-making by providing real-time insights into sales performance.</li> </ul>	
<b>Email Spam Detection and Sentiment Analysis</b> – Personal Project	Mar 2024
<ul style="list-style-type: none"> <li>Developed a <b>machine learning model</b> to detect spam emails and perform <b>sentiment analysis</b>.</li> <li>Utilized <b>natural language processing (NLP)</b> techniques to preprocess and analyze email content, achieving high accuracy in <b>classification</b>.</li> <li>Enhanced <b>email filtering</b> systems and provided sentiment insights for better communication strategies.</li> </ul>	
<b>Information Retrieval Project</b> – Personal Project	Dec 2023
<ul style="list-style-type: none"> <li>Developed an information retrieval system to <b>crawl and extract</b> job data from the WUZZUF site.</li> <li>Implemented <b>web scraping</b> techniques and <b>SQL</b> for data storage, enabling efficient data collection and retrieval.</li> <li>Enhanced job data analysis capabilities by providing structured and searchable job information.</li> </ul>	

## Certifications

<b>DATA ANALYSIS CERTIFICATE</b> – CREATIVA	June 2024
<ul style="list-style-type: none"> <li>Instructor: Aya Mohsen, Team Lead at Etisalat Egypt</li> </ul>	
<b>DATA ANALYSIS PROFESSIONAL CERTIFICATE</b> – 9 Courses – Coursera	April 2024
<ul style="list-style-type: none"> <li>Excel Basics for Data Analytics</li> <li>Data Visualization and Dashboards with Excel and Cognos</li> <li>Python for Data Science AI &amp; Development</li> <li>Python Project for Data Science</li> <li>Databases and SQL for Data Science with Python</li> <li>Data Analysis with Python</li> <li>Data Visualization with Python</li> <li>IBM Data Analyst Capstone Project</li> </ul>	
<b>ARTIFICIAL INTELLIGENCE CERTIFICATE</b> – ITI	Feb 2023
<ul style="list-style-type: none"> <li>Instructor: Walid Ead, Professor in Artificial Intelligence at Egypt-Japan University <ul style="list-style-type: none"> <li>Machine Learning using SAS Viya 3.5</li> <li>SAS Programming Essential</li> <li>Introduction to INNOVA Regression and Logistic Regression</li> </ul> </li> </ul>	

## Education

<b>BACHELOR OF COMPUTER SCIENCE</b> – Minia University	June 2024
<ul style="list-style-type: none"> <li>Department of Information Systems Technology</li> </ul>	