

# YOUSSEF EHAB

Giza Governorate

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## SUMMARY STATEMENT

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As a data analyst, I possess strong analytical skills and experience in data management and visualization. I am skilled in utilizing programming languages such as Python and SQL to extract insights and trends from large data sets. With a keen eye for detail and a passion for problem-solving, I have successfully delivered data-driven solutions to various stakeholders in different industries. My expertise in data analysis, statistical modeling, and data visualization tools makes me an asset to any organization seeking to harness the power of data to make informed decisions.

## CORE QUALIFICATIONS

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- Strong proficiency in programming languages such as Python and SQL for data extraction, manipulation, and analysis.
- Proficient in data visualization tools such as Tableau, Power BI, and Excel to present insights and trends effectively.
- In-depth knowledge of statistical modeling and analysis techniques for data interpretation and forecasting.
- Experience in data management, data cleaning, and data quality control to ensure accuracy and completeness.
- Ability to identify patterns and trends in complex data sets and translate them into actionable insights and recommendations.
- Excellent problem-solving skills and attention to detail to ensure accuracy in data analysis and interpretation.
- Effective communication and collaboration skills to work with cross-functional teams and stakeholders.
- Ability to work under pressure and meet tight deadlines while maintaining a high level of quality and accuracy.
- Strong knowledge of data security and privacy regulations to ensure compliance with industry standards.
- Passion for continuous learning and professional development to stay up-to-date with the latest technologies and trends in data analytics.

## EDUCATION

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**Degree: Bachelor of Business Information Systems**  
**Arab Academy for Science and Technology – Smart Village**  
**Certification: Business Information System**  
**GPA: 3.5**

## WORK EXPERIENCE

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### **Freelance Data Analyst**

**NBE– Cairo, Egypt**

- Conducted data analysis to predict ATM failures and reduce maintenance costs, resulting in a 20% decrease in downtime and an 18% reduction in maintenance costs.
- Designed and implemented data-driven solutions to optimize ATM availability and reduce response time to ATM failures.
- Developed and maintained dashboards using Tableau to track ATM performance

metrics and identify areas for improvement.

- Collaborated with cross-functional teams, including IT and operations, to develop data models and ensure data accuracy and consistency.
- Conducted data cleaning and validation to ensure accuracy and completeness of data sets.
- Utilized Python and SQL to extract, manipulate, and analyze data from multiple sources to derive insights and trends.
- Performed statistical analysis to identify patterns and trends in large data sets and translate them into actionable insights and recommendations for business stakeholders.
- Prepared reports and presentations to communicate findings and recommendations to senior management.
- Ensured compliance with data security and privacy regulations in all data activities

### **Freelance Data Analyst**

#### **Project – Cairo, Egypt**

- Conducted data analysis to predict employee turnover and identify factors contributing to employee attrition, resulting in a 15% decrease in turnover rates.
- Developed and implemented data-driven solutions to optimize employee retention, such as targeted training programs and career development initiatives.
- Designed and maintained dashboards using Power BI to track employee turnover metrics and monitor progress towards retention goals.
- Collaborated with HR and talent acquisition teams to develop data models and ensure data accuracy and consistency.
- Conducted data cleaning and validation to ensure accuracy and completeness of data sets.
- Utilized Python and SQL to extract, manipulate, and analyze data from multiple sources, including HR databases and employee surveys, to derive insights and trends.
- Performed statistical analysis, such as logistic regression and decision tree analysis, to identify key predictors of employee turnover.
- Prepared reports and presentations to communicate findings and recommendations to senior management and HR stakeholders.
- Ensured compliance with data security and privacy regulations in all data-related activities.

### **Freelance Data Analyst**

#### **Project – Cairo, Egypt**

- Conducted data analysis to predict customer churn and identify factors contributing to customer attrition, resulting in a 10% decrease in churn rates.
- Developed and implemented data-driven solutions to optimize customer retention, such as targeted marketing campaigns and customer loyalty programs.
- Designed and maintained dashboards using Tableau to track customer churn metrics and monitor progress towards retention goals.
- Collaborated with marketing and customer service teams to develop data models and ensure data accuracy and consistency.
- Conducted data cleaning and validation to ensure accuracy and completeness of datasets
- Utilized Python and SQL to extract, manipulate, and analyze data from multiple sources, including customer surveys and sales databases, to derive insights and trends.
- Performed statistical analysis, such as logistic regression and decision tree analysis, to identify key predictors of customer churn.

- Prepared reports and presentations to communicate findings and recommendations to senior management and marketing stakeholders.
- Ensured compliance with data security and privacy regulations in all data-related activities.

### **Freelance Data Analyst**

#### **Project – Cairo, Egypt**

- Conducted data analysis to predict future stock prices of Apple Inc. using historical stock data and market trends, resulting in accurate forecasts and profitable investment decisions.
- Utilized statistical modeling techniques, such as time-series analysis and regression modeling, to identify patterns and trends in stock price data and derive insights for investment strategies.
- Developed and maintained dashboards using Excel and Tableau to track stock performance metrics and monitor investment portfolios.
- Collaborated with investment analysts and portfolio managers to develop data models and ensure data accuracy and consistency.
- Conducted data cleaning and validation to ensure accuracy and completeness of data sets.
- Utilized Python and SQL to extract, manipulate, and analyze large volumes of financial data from multiple sources, including market data providers and financial news sources.
- Prepared reports and presentations to communicate findings and recommendations to senior management and investment stakeholders.
- Ensured compliance with data security and privacy regulations in all data-related activities.

## **TEACHING EXPERIENCE**

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### **Head of Design**

#### **Organization: Enactus AAST-SV (a student-run social entrepreneurship organization)**

- Taught design principles and techniques to Enactus AAST-SV members through workshops and training sessions.
- Mentored team members in developing effective design strategies for their social entrepreneurship projects.
- Led the design team in creating visually appealing and effective marketing materials such as posters, brochures, and social media graphics.
- Collaborated with other teams to develop cohesive branding and messaging across all Enactus AAST-SV projects and events.
- Conducted regular design reviews to ensure that all materials produced were of high quality and aligned with Enactus AAST-SV's brand standards.
- Developed and managed the design team's project timelines, priorities, and budgets.
- Coordinated with external vendors and contractors to ensure timely and high-quality production of materials.
- Stayed up to date with emerging design trends and technologies to ensure Enactus AAST-SV's visual presence remained competitive in the industry.
- Represented Enactus AAST-SV in design-related events and competitions.
- Collaborated with other Enactus AAST-SV leaders to develop and execute organizational strategies and goals.

## CONFERENCE PRESENTATIONS

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- I was responsible for the opening project of AAST-SV graduation projects because I had been chosen for the best project.
- I was responsible for presenting Enactus AAST-SV in design-related events and competitions.

## CONFERENCE ATTENDANCE

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- COP27 Hub volunteers
- ESE Conferences

## HONORS AND AWARDS

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- Certificate of appreciation from AAST-SV due to my work in student union
- Certificate of appreciation as I was from the excellent students in AAST - BIS

## CERTIFICATIONS AND LICENSES

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- I am certified by IBM for successfully completing the 'Identify Potential Repeat Customers for Your Business' course.
- I am a certified graduate of the Analyzing and Predicting Heart Failure on IBM Cloud course from IBM, successfully completing the program with competence.
- I hold a certificate from IBM for successfully completing the Data Understanding and Preparation course.
- I hold a certificate from IBM, demonstrating successful completion of the Predict Employee Turnover using IBM Watson Studio course.
- I am certified by IBM for successfully completing the Cluster Analysis course.
- I hold a certification from IBM in the successful completion of their Classification course.
- I have obtained a certificate from IBM after successfully completing the Regression course, demonstrating my proficiency in statistical modeling and analysis techniques.
- I am certified by IBM for successfully completing the Communicating Insights course, demonstrating my ability to effectively communicate data-driven insights.
- I am certified by IBM for successfully completing the Python for Data Science course

## TRAINING

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- Qatar National Bank – 2022
- Europe Education - 2020

## LANGUAGES

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### English

Native or Bilingual

### French

Limited Speaking

### Arabic

Native or Bilingual

### Italian

Limited Speaking

## PORTFOLIO

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- 2023 -Portfolio: [youssefehab.com](https://youssefehab.com)
- Portfolio QR CODE:

