Anton Micheal Fayez Louis

Data Analyst | Data Scientist

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About

Data Scientist with expertise in **data analytics, machine learning, and statistical modeling**, leveraging a background in **sales and marketing** to drive data-informed business decisions. Skilled in **Python, SQL, Power BI, and Tableau**, with experience in **developing machine learning models, automating workflows, and building interactive dashboards**. Adept at translating complex data into actionable insights to optimize **customer engagement, conversion rates, and marketing strategies**. Strong foundation in **statistics, multivariable calculus, and linear algebra**, with a passion for **AI, automation, and business intelligence**. Currently pursuing a **bachelor's degree in computer science and data science** with a focus on applying advanced analytics to real-world challenges.

Skills

Programming Languages : SQL (SQL Server, MySQL), Python (Pandas, NumPy, Matplotlib) Java, C++,JavaScript

Programming Fundamentals: Object-Oriented Programming (OOP), Data Structures, Algorithms, Databases, Operating Systems.

Data Analysis Tools : Excel (Power Query, Power Pivot, Conditional Formatting, Pivot Tables)

Web Development & Deployment : HTML, CSS, JavaScript, SQL Server, mysql

Web Scraping & Data Collection: BeautifulSoup, Selenium

Data Science Mathematics: Statistics, Calculus, and Linear Algebra

Data Visualization: Power BI, Tableau

Database Management: SQL, Data Extraction, Data Cleaning, Data Manipulation

Problem-solving & Algorithms: Strong analytical and critical thinking skills applied to data-driven problems

Education

08/2022 – 2026 Alexandria, Egypt	**B.Sc. Computer Science from SIM Department CGPA:3.55 / 4** *Faculty of Science - Alexandria University*
07/2024 – 09/2024 Alexandria, Egypt	**Internship Trainee** *CIB Egypt	3 Months – Alexandria, Egypt*

- **Entrepreneurship**: Gained knowledge in **business strategy**, **market research**, and **startup development**.
- **Soft Skills**: Strengthened key abilities in **communication**, **collaboration**, and **leadership**.
- **Data Literacy**: Developed skills in **data interpretation** and **data-driven decision-making**.
- **Data Transformation**: Gained expertise in **data cleaning**, **normalization**, and **aggregation** for accurate, actionable insights.

| 11/2024 – present | **IBM Data Scientist DEPI · Internship** |
| Alexandria, Egypt | *Digital Egypt Pioneers Initiative* |

- **Comprehensive Data Science Training**: Gained expertise in **data analysis, visualization, machine learning, and MLOps** using Python and industry-standard tools.
- **Hands-on Experience**: Worked on **SQL databases, data science methodologies, and Python projects**, applying theoretical knowledge to real-world problems.
- **Advanced Machine Learning & AI**: Explored **ML algorithms, Hugging Face, and MLflow**, focusing on model development and deployment.
- **Capstone & Practical Applications**: Completed a **capstone project** integrating **prompt engineering, automation, and AI development** for real-world solutions.

Languages

English	**Arabic**	**German**
C1-C2	Native	B1-B2

Certificates

Google Data Analytics Certificate ⧉
- Ask Questions to Make Data-Driven Decisions
- Data Analysis with R Programming
- Share Data Through the Art of Visualization
- Analyze Data to Answer Questions
- Foundations: Data, Data, Everywhere
- Google Data Analytics Capstone: Complete a Case Study
- Process Data from Dirty to Clean
- Prepare Data for Exploration

Microsoft Data Analyst Certificate ⧉
- Extract, Transform and Load Data in Power BI
- Microsoft PL-300 Exam Preparation and Practice
- Data Modeling in Power BI
- Data Analysis and Visualization with Power BI
- Creative Designing in Power BI
- Deploy and Maintain Power BI Assets and Capstone Project
- Harnessing the Power of Data with Power BI
- Preparing Data for Analysis with Microsoft Excel

ALX AICE Professional Certificate
- Prompt Engineering

ECPC (Egyptian Collegiate Programming Contest)
- Complex algorithmic challenges in competitive environments using C++.
- Problem-solving skills, teamwork, and coding efficiency (speed and accuracy under strict time constraints.)

Projects

06/2024 – 06/2024	**Coffee Shop Sales Analysis Dashboard** ⧉

- Conducted **sales analysis** using **Power BI and MySQL**, providing data-driven insights for business optimization.
- Tracked **key metrics** such as **total sales revenue, product performance, and regional sales distribution**.
- Analyzed **customer segmentation and promotional impact**, helping refine marketing strategies.
- Identified **sales trends, growth rates, and inventory turnover** to optimize stock levels and maximize profitability.

07/2024 – 07/2024	**Adidas Sales Analysis Dashboard** ⧉

- Developed an **interactive Power BI dashboard** to analyze **Adidas' sales performance** and key business metrics.
- Tracked **total sales, operating profit, units sold, and average price per unit** to assess business performance.
- Analyzed **monthly sales trends, regional and state-wise sales distribution, and product-wise performance** to identify growth opportunities.

- Provided actionable insights for **executives and analysts**, aiding in **data-driven decision-making** and optimizing **sales strategies**.

05/2024 – 05/2024   **Hayat Hospital Web Application**
- Developed the **front-end** using **HTML, CSS, and JavaScript**, ensuring a responsive and user-friendly interface.
- Assisted in **backend development** with **PHP**, enabling secure **login/signup, appointment booking, and location-based services**.
- Integrated features like **doctor listings, gallery, and interactive hospital navigation** for an enhanced user experience.