

# MohAMAD Yasser AHMAD GHAZY

New Cairo, Egypt · [mohamadyasser515@gmail.com](mailto:mohamadyasser515@gmail.com) · 01140028561 · [www.linkedin.com/in/MGhazy515](https://www.linkedin.com/in/MGhazy515)

## EDUCATION

### Ain Shams University

PgD in Information Systems (Advanced) GPA: A (with Honors)

Cairo, Egypt

Sep 2023 - Jul 2024

### Ain Shams University

PgD in Information Systems (Basic) GPA: A (with Honors)

Cairo, Egypt

Sep 2022 - Sep 2023

### Misr University for Science and Technology

B.SC. in Biotechnology GPA: 3.89 (with Honors)

Giza, Egypt

Sep 2017 - Jun 2021

## WORK EXPERIENCE

### EVA PHARMA Giza, Egypt

R&D Analytics Specialist

October 2021 - Present

- Automated complex data workflows by developing a comprehensive system for chromatography result calculations, reducing manual effort and increasing accuracy. This innovation reduced the time spent on data analysis by analysts by one full day per cycle, enhancing operational efficiency.
- Led the integration phase of the LIMS system for QC and R&D departments, ensuring seamless alignment with operational and regulatory requirements. This initiative accelerated implementation by 50%, enabling EVA Pharma to become the first company in Egypt to deploy Labware LIMS. Designed and executed advanced database queries to update and modify logbooks, ensuring compliance with regulatory standards and improving the efficiency of data reporting workflows.
- Created a tailored monitoring system to track performance, capacity, and bottlenecks across R&D department functions. This provided actionable insights to stakeholders, driving informed decision-making and improved resource allocation. While applying ML models to predict workload for planning of hiring talents and other resources. This optimization improved team achievements by 30%, ensuring no team was overloaded while maintaining a challenging and productive environment.
- Developed a project management system using Power BI, Power Apps, Power Automate and multiple data sources, enabling the New Product Management team to streamline daily operations and provide the senior executive team with on-demand dynamic reports.
- Modified and enhanced existing systems and workflows to address evolving business needs, resulting in improved operational efficiency and data accuracy across departments.

## TECHNICAL and ANALYTICAL SKILLS

- Programming:** Proficient in Python (libraries like pandas, NumPy, matplotlib, and seaborn) for data analysis, preprocessing, and visualization.
- Data Analysis and Visualization:** Expert in Power BI for creating interactive dashboards and reports, and Python-based visualization libraries for data storytelling.
- Data Modeling and Transformation:** Skilled in DAX (Data Analysis Expressions) for custom measures and calculated columns, and Power Query for ETL (Extraction, Transformation, and Loading) processes.
- Database Management:** Experienced in SQL Server for querying, optimization, and database management.
- Statistical Analysis:** In-depth knowledge of statistical methods, including regression analysis, hypothesis testing, and time series forecasting.
- Predictive Analytics:** Capable of building predictive models using machine learning techniques and libraries like scikit-learn.
- Data Preprocessing:** Highly skilled in handling raw data, including cleaning, normalizing, and managing missing values to prepare for analysis.
- Business Acumen and Storytelling:** Strong understanding of business KPIs and metrics to contextualize data analysis and align outcomes with organizational goals and communicating results and insights.

## PROJECTS

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Instrument Logbook Module Development on Labware LIMS  
Workload Capacity Monitoring System  
NPD Project Management Application  
Comprehensive Resource Management System with Workload Prediction

## AWARDS

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### **Appreciation Letter and Reward**

For building an ML Model to predict Workload for Resource Planning

EVA Pharma  
June 2025

### **Appreciation Letter and Reward**

For the creation of the NPD Project Management Application

EVA Pharma  
December 2024

### **Appreciation Letter and Reward**

For the creation of the Workload Capacity Monitoring System

EVA Pharma  
December 2023

### **Appreciation Letter and Reward**

For the creation of the cost-effective instrument logbook module

EVA Pharma  
November 2023

### **Employee of the Month of May 2023**

Recognized for my instrumental contributions in implementing Labware LIMS for R&D Labs.

EVA Pharma  
June 2023

## PUBLICATIONS

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**Computational Design of a New Aflatoxin B1 Aptamer in lieu of SELEX Technique**      BioRxiv  
(Pre-print)      November 2022

- DOI: <https://doi.org/10.1101/2022.11.12.513184>

## CERTIFICATES

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**Google Data Analytics Professional Certificate**

Google/Coursera December 2022

**Genomic Data Science Specialization**

JHU/Coursera December 2020

## LANGUAGES

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**Arabic**

Native

**English**

C1 (IELTS)

**Spanish**

A2