

MohAMAD Yasser Ahmad GHazy

New Cairo, Egypt · mohamadyasser515@gmail.com · 01140028561 · 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

Instrument Logbook Module Development on Labware LIMS

SQL Queries, LIMS Basic, Labware VWF Designer

- Contributed to the design and development of an Instrument Logbook Module as part of the Labware LIMS implementation, delivering a cost-effective alternative to instrument integration while ensuring regulatory compliance.
- Developed scalable database structures and intuitive visual workflows in collaboration with end-users, automating data validation, reducing human error by 90%, and enhancing data accuracy.
- Streamlined user adoption by aligning digital workflows with familiar processes, minimizing disruption, and maintaining full functionality and regulatory adherence.

Workload Capacity Monitoring System

SQL Server, Power BI

- Designed and developed a Workload Capacity Monitoring System that integrated data from multiple sources to track team workloads, resource capacities, and performance metrics through interactive visualizations like gauge charts and pie charts.
- Implemented advanced features such as KPI tracking, task filtering, and a monthly planning table, enabling proactive planning, data-driven decision-making, and balanced resource allocation.
- Empowered leadership and teams by identifying bottlenecks, optimizing performance, and preventing overloading, resulting in improved operational efficiency and goal achievement.

NPD Project Management Application

MS Project, MS SharePoint, Power BI, Power Automate, Power Apps

- Designed and developed the NPD Application Dashboard, a centralized platform integrating project roadmaps, detailed reports, and delay tracking to streamline product development management.
- Created tools and modules such as Stage Gate Status, Delay Reports, and Gate Review Reports, enabling stakeholders to monitor project phases, identify bottlenecks, and assess milestone approvals with actionable insights.
- Delivered a user-friendly, interactive system that enhanced transparency, improved efficiency, and optimized resource utilization, empowering teams to achieve organizational goals effectively.

Comprehensive Resource Management System with Workload Prediction

Pandas, NumPy, Scikit-learn, RandomizedSearchCV, Power BI

- Developed and deployed a machine learning model to predict project workload in specific quarters based on variables like project type, start date, and team assignments, using historical data combined with domain expert insights.
- Implemented feature engineering techniques to refine inputs and enhance model accuracy, incorporating temporal and project-related features to better forecast workload trends.
- Delivered actionable predictions that empowered leadership to proactively allocate resources, optimize team workloads, and improve project planning, leading to more efficient operations and meeting project deadlines.

AWARDS

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

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

Google Data Analytics Professional Certificate Google/Coursera December 2022

- Advanced my knowledge in Key Analytics Tools: Mastered SQL, R, Tableau, and Google Data Studio for effective data cleaning, analysis, and visualization.
- Hands-On Project Experience: Completed real-world data projects, demonstrating the ability to analyze complex datasets and generate actionable insights.
- Strong Analytical and Problem-Solving Skills: Expertise in the full data analytics lifecycle, enabling data-driven decision-making and strategic problem resolution.

Genomic Data Science Specialization JHU/Coursera December 2020

- Acquired advanced data analysis and machine learning skills using Python (Pandas, NumPy, scikit-learn) and R to manage and interpret large datasets.
- Developed proficiency in data visualization (Matplotlib, Seaborn, ggplot2), statistical modeling, and predictive analytics to derive actionable insights.
- Introduced to big data technologies (Hadoop, Spark) and utilized SQL, Git, and Jupyter Notebooks to build and automate data processing pipelines for enhanced decision-making.

LANGUAGES

Arabic	Native
English	C1 (IELTS)
Spanish	A2