**Mohamed Samy El-Sayed Qiqa**

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**OBJECTIVE**

As an **AI Automation Engineer**, I specialize in transforming business challenges into efficient automated solutions. With expertise in workflow automation, cross-platform integration, and AI-driven systems, I develop solutions that streamline operations, reduce manual tasks, and lower costs. Seeking to leverage my automation and AI capabilities to drive efficiency and deliver practical business solutions.

**SKILLS**

* **Personal skills** 
  + Problem-Solving & Decision-Making
  + Communication & Negotiation
  + Time Management & Multitasking
  + Creative & Innovative Thinking
  + Teamwork & Collaboration
  + Leadership & Management (Agile & MVP)
  + Attention to Detail & Presentation skills
  + Conflict Resolution & Persuasion
* **Technical Skills**
* **Programming & Scripting:** Python, JavaScript, HTML5, CSS, Bootstrap
* **Frameworks**: LangChain, LangGraph, and CrewAI
* **Web Development:** FastAPI, RESTful API, AI-integrated web applications
* **Database:** MongoDB, PostgreSQL, Qdrant, pgvector, FAISS, and ChromaDB.
* **AI & Automation:** Generative AI (RAG applications, Agentic RAG), Prompt Engineering, AI Tools Integration
* **Workflow Automation:** Zapier, n8n, Google Apps Script
* **Data Management & Analytics:** Google Sheets, Microsoft Excel, JetAdmin, Sigma, Looker Studio, Airtable
* **CRM & Project Management Tools:** HubSpot, Pipedrive, ClickUp, Asana, Slack, Monday
* **Graphic Design:** Adobe Photoshop (Ps)
* **Language skills**
  + - **Arabic** : Mother tongue.
    - **English** : Conversational (B2)

**EXPERIENCE**

* **Co-Lead AI Automation Engineer** *Oct, 2024 – Present*
  + Worked closely with stakeholders to gather project requirements and analyze business needs.
  + Designed clear workflows to guide implementation and ensure smooth execution.
  + Applied Agile methodologies and MVP approaches to support the team and deliver projects efficiently.
  + Actively worked with the team on various tasks to ensure the project was delivered to the client in the best way possible.
  + Supported, motivated, and encouraged team members to maintain focus and meet project goals.
* **AI Automation Engineer** *Mar. 2024 – Oct, 2024*
  + Developed automated data transfer solutions to eliminate manual data entry, saving time, effort, and operational costs.
  + Automated data transfer processes by integrating websites with databases and conducting comprehensive data analysis.
  + Designed workflows and applied automation methods to optimize business operations and support data management.

**Key Projects:**

1. **Genie AI Tool:**
   * Designed and implemented GENIE, a custom automation tool for the restaurant industry to convert unstructured menu data (images, web links, documents, PDFs, Excel files) into structured formats to streamline restaurant operations.
2. **Inventory Management System:**
   * Built centralized dashboards using JetAdmin for seamless monitoring and real-time reporting.
   * Developed advanced Google Sheets databases with complex calculations for inventory tracking.
   * Set up automated alerts for events such as low inventory or project delays.
   * Enabled role-specific access restrictions to ensure secure data handling and operations.
   * Provided insights and forecasting through advanced analytics to support proactive decision-making.
3. **Operation Management System:**
   * Designed centralized dashboards using Looker Studio.
   * Created advanced Google Sheets databases with complex calculations to support operational needs.
4. **HR Process Automation:**
   * Streamlined recruitment and onboarding processes by automating administrative workflows.
   * Reduced manual paperwork and enhanced overall HR operational efficiency through automation.
5. **Sales System:**
   * Developed a full Sales System and created user-friendly web pages for interactive use.
6. **KYC System:**
   * The project aims to verify specific data automatically without the need to allocate a team to do this manually
   * Designed a system to extract specific data from multiple files stored in Drive.
   * Analyzed data to determine compatibility percentages, shortages, and other insights critical to organizational compliance.
7. **Food System:**
   * Designed a system to automate restaurant operations from order entry to delivery.
   * Reduced manual labor, increased productivity, and improved accuracy in operational workflows.

**EDUCATION**

**1.** **Postgraduate Studies in Analytical Biochemistry**  *Sep. 2023 – May 2024*

* **Institution:** Faculty of Science, Benha University
* **Grade: Excellent with Honor's Degree (A Grade)**

**2.** **Bachelor of Science (B.Sc.) in Special Chemistry**  *Oct. 2018 – May 2022*

* **Institution:** Faculty of Science, Al-Azhar University, Asyut
* **Grade:** **Excellent with Honor's Degree (A Grade)**
* **Graduation Project:** *Characterization of Nano-Clay and Its Effect on Sandy Soil Properties*
* **Graduation Project Grade:** **Excellent (A+)**

**INTERNSHIPS**

* **City of Scientific Research and Technological Applications ( SRTA ).**  *(Mar. 8, 2022 – Mar. 15, 2022)*

Visit the Pharmaceutical Industries Development Centre and the Environmental and Natural Materials Research Institute in SRTA and Knowing the basics of research and development ( R&D ).

* **Trainee at CAIRO OIL REFINING COMPANY ( CORC ).** *(Aug. 1, 2021 – Aug. 31, 2021)*

Knowing the stages of production of gasoline (as fuel for Cars), kerosene (for household use), and Diesel (as fuel for power plants and transportation).

* **Trainee at Sigma Pharmaceutical Industries ( SPI ).** *(Aug. 1, 2021 – Aug. 29, 2021)*

Knowing the stages of pharmaceutical industries and the production of drugs and identification of Quality Control and Quality Assurance, and knowledge of the basics of current Good Manufacturing Practices (cGMPs).

* **Trainee at CID Pharmaceuticals & Chemical Industries.**  *(July. 15, 2021 – Aug. 15, 2021)*

identification Of QC and QA in pharmaceutical industries and knowing the principal R&D.

* **Articling student at the water and sanitation company.**   *(Aug. 2, 2021 – Sep. 2, 2021)*

Knowing the stages of drinking water treatment and identification of the types of filters used in water purification.

* **Trainee at Hospital in medical analysis.** *(Aug. 1, 2021 – Sep. 20, 2021)*

knowing the devices used in medical analysis and how to withdraw the blood sample from the patient.

* **Trainee at Memphis Pharmaceutical & Chemical Industries.** *(Aug. 5, 2020 – Sep. 20, 2020)*

identification of cGMPs and Knowing the Stages of production and manufacture of the drugs.

* **Trainee at the lab for medical analysis.**  *(July 15, 2019 – Sep. 30, 2019)*
* **Trainee at the Oncology Institute in Asyut.**  *(Apr. 5, 2019 – Apr. 9, 2019)*

**COURSES**

* Google Analytics from Google ( Jan. 2024)
* Preparing a certified medical analysis specialist at Al Rehab Specialist Hospital from GSK (Aug. 2022)
* Understanding Research Methods from the University of London.(Sep. 2021)
* Digital Marketing from Google. (Sep. 2021)
* Digital Marketing from the Ministry of Communications and Information Technology. (Oct. 2021)
* Search Engine Optimization ( SEO ) from Coursera (Oct. 2021)
* cGMP & Pharmaceutical Industry from GSK. (Oct. 2021)
* IC3 ( Computing Fundamentals., Key Applications. and Living Online ) from M3AARF. (Sep. 2021)
* Office 365 from EDRAAK. (Sep. 2021)
* Introduction to cybersecurity from Cisco Networking Academy. (Aug. 2021)
* Understanding Research Methods from Coursera. (Aug. 2021)
* ISO 27001:2013 Teleworking from Udemy. (Aug. 2021)
* first aid from Edraak. (Aug. 2021)
* Introduction to COFID-19: Methods of Detection, Prevention, Response and Control from WHO. (Oct. 2020)
* Introduction to COVID-19 - integrating gender-based violence risk mitigation from UNICEF. (Oct. 2020)
* Social Media Marketing from HP. (Sep. 2021)
* AWS Cloud Practitioner Essentials from Amazon. (Sep. 2020)
* Marketing Benefits vs. Features from HP. (Oct. 2020)
* Forensic chemistry and crime science from Udemy. (July 2020)

**FUNDED PROJECT**

I obtained an "A+" grade in my graduation project and contributed to writing a scientific paper in the field of liquid nano clay. We were granted funding worth 60k from the Academy of Scientific Research to contribute to the development of the project, which is to work on transforming desert land that is not suitable for agriculture into arable land. This lies in providing many needs, as it would preserve the climate and create a living environment by reducing the percentage of CO2 and increase the percentage of O2 and also reduce a large percentage of the amount of water consumed in agriculture by adding Montmorillonite (Sodium Nano Bentonite).  
In this way, we improve the climate, increase the economy, and reduce the rate of desertification by transforming the soil from dry, unsuitable for agriculture to arable soil, thus producing a liveable environment.

**REFERENCES**

Available upon request Or follow this [link](https://drive.google.com/drive/folders/1o07GeHNVJNf2jzlGfv0mR27yFSVxf0w0?usp=sharing).