

SABRY MOHAMED ALAA

AI & Automation Engineer

Egypt

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Profile

AI & Automation Engineer building production RAG pipelines, AI agents, and end-to-end workflow automation for clients across Gulf markets. Delivers reliable systems with Python, FastAPI, LangChain, n8n, and Make, with centralized error handling, logging, and monitoring built into live automations. Maintains a 5.0 rating, 100% job success score, and repeat client trust through systems that run across medical, legal, and e-commerce use cases.

Professional Experience

Freelance AI & Automation Engineer

Remote

Mostaql.com — Top Rated (5.0/5.0, 100% Job Success Score)

July 2025 – Present

- Delivered AI automation systems for clients across Egypt, Kuwait, and Saudi Arabia — maintaining a 100% job success score with consistent 5-star feedback on MENA's largest freelance platform.
- Automated end-to-end client workflows using n8n-based AI agents, integrating 6+ platforms (WhatsApp, Telegram, Gmail, Qdrant, Supabase, Google Sheets) across medical, legal, and e-commerce domains.
- Designed a centralized error handling architecture with automated logging, severity-based classification, and Telegram alerts reused across 3+ client automation systems.

Projects

SGU Student Guide RAG Chatbot (2026) | *n8n, OpenAI, Qdrant, Supabase, Google Drive API*

[GitHub](#)

- Architected a RAG system live at the university to handle high-volume repetitive student inquiries — answering exclusively from indexed official documentation using source-grounded retrieval.
- Engineered a 5-stage ingestion pipeline (Google Drive sync → content extraction → preprocessing → embedding generation → Qdrant indexing); cleaned and restructured a noisy, inconsistently formatted knowledge base before indexing.
- Classified failures by severity (Critical/Warning/Rate Limit/Timeout) with Supabase-based logging, real-time Telegram notifications for critical incidents, and intelligent retry logic to improve system reliability.

E-Commerce RAG Chatbot — Amazon Laptop Catalog (2026) | *Python, n8n, Qdrant, Supabase*

[GitHub](#)

- Developed a hybrid-search AI chatbot (semantic + exact filtering) on real Amazon product data; designed a full Python preprocessing pipeline to normalize prices, parse shipment fields, and extract 4+ structured metadata fields (Brand, RAM, Storage, CPU) from raw unstructured text using LLM entity extraction.
- Applied source-grounded prompt engineering to reduce hallucinations; AI refuses to answer from general knowledge and requests clarification when no result is found in the catalog.
- Established a batch processing pipeline with resume capability (start-row/end-row) and deduplication by Product ID to handle rate limits on free-tier LLM APIs across thousands of records.

AI WhatsApp Receptionist (2026) | *n8n, OpenAI, Twilio, Google Sheets API*

[GitHub](#)

- Deployed a WhatsApp AI receptionist for medical clinics across 2 Gulf countries (Kuwait and Saudi Arabia) — independently handles Arabic (Gulf dialect) patient conversations, books appointments, and sends Twilio confirmations with no manual intervention.
- Enforced ISO date format consistency across AI responses through structured output validation, resolving downstream Google Sheets logging failures.

AI Lead Generation Pipeline (2026) | *n8n, OpenAI, Next.js, Gmail API, PostgreSQL*

[GitHub](#)

- Orchestrated a 4-stage autonomous n8n pipeline: Google Places scraping → website data extraction → AI Agent business analysis with schema-validated output → personalized (non-templated) outreach email per lead.
- Shipped a Next.js dashboard with real-time n8n API monitoring and integrated Gmail inbox for complete campaign management in one place.

Certifications

Generative AI with Python — LLM & RAG (35hrs) — ITI & NVIDIA DLI

2026

Building LLM Applications With Prompt Engineering — ITI & NVIDIA

January 2026

Data Science & AI Professional Diploma — AMIT Learning

October 2025

Sprints × Microsoft Summer Camp — AI & Machine Learning — Sprints & Microsoft

September 2025

Technical Skills

AI & LLM: LangChain, RAG (Qdrant/pgvector/FAISS), OpenAI API, Gemini AI, Prompt Engineering, AI Agents, CrewAI
Automation: n8n, Make, Webhooks, API Integration, Workflow Orchestration, Centralized Error Handling
Backend & Data: Python, FastAPI, PostgreSQL, Supabase, Node.js, SQL, Pandas, NumPy, Scikit-learn
Frontend & Tools: React, Next.js, Docker, Git, Power BI, Streamlit, TensorFlow, OpenCV

Education

El-Saleheya El-Gadida University (SGU)
Bachelor of Science in Computer Science, Artificial Intelligence Specialization

El-Saleheya El-Gadida, Egypt
June 2027 (Expected)

Languages

Arabic (Native) • English (Intermediate B1)