

MOHAMED YOUSSEF HAMDY

AI Automation Specialist (n8n) | Personal & Executive Assistant

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OBJECTIVE

Computer Science student (expected graduation 2028) with hands-on experience building n8n automation workflows and integrating LLMs (OpenAI, Gemini, Groq) into business tools (Google Sheets, Airtable, Gmail). Experienced personal assistant managing schedules, communications, and confidential records. Seeking an entry-level AI automation or operations assistant role.

EXPERIENCE

Personal Assistant to a Physician — Alexandria, Egypt Jan 2024 – Present (*part-time*)

- Managed the physician's daily schedule/appointments (Google Calendar) and handled patient email correspondence (Gmail).
- Organized patient records and appointment data using Excel and Google Sheets, maintaining strict confidentiality.
- Designed and deployed an n8n automation workflow to speed up routine patient communication.

AI AUTOMATION PROJECTS (N8N)

Self-directed projects connecting n8n to AI models (OpenAI, Gemini, Groq, Ollama) and business/messaging APIs.

AI-Powered Customer Service & Sales Automation System (n8n, WhatsApp, RAG, Airtable/Supabase) · [GitHub](#)

- Built an end-to-end WhatsApp customer service and sales automation system to handle high-volume ad leads, replacing a manual process where agents logged data into Airtable by hand.
- Built an AI agent that collects customer data, detects intent via RAG, and answers product questions, escalating complex cases to staff through a structured form; tracks each customer's full history statefully across shifts and auto-generates end-of-shift sales stats.

Tadawul Disclosure Monitor — AI Financial Alert System (n8n, Apify, Groq AI, Google Sheets, Gmail) · [GitHub](#)

- Built an automated monitor that scans a Tadawul (Saudi Exchange) watchlist every 30 minutes via an Apify scraper, filtering to same-day disclosures and deduplicating against a Google Sheets log.
- Extracts full disclosure text and feeds it to a Groq-hosted LLM to generate a concise Arabic analysis of impact, then emails alerts with error logging and processed-disclosure tracking for auditability.

End-to-End AI Sales Automation Pipeline (n8n, Notion CRM, Gmail, Ollama, Google Docs) · [GitHub](#)

- Built a 4-stage pipeline covering the full lead lifecycle: automated lead enrichment/cold outreach with LLM-personalized emails, and a reply-classification workflow that updates a Notion CRM via a local Ollama LLM.
- Designed a follow-up engine with time-based conditions and a post-meeting flow that auto-generates PDF proposals/contracts and onboarding folders, plus a Telegram bot letting staff update CRM stage in plain language.

AI-Powered Job Application & Candidate Screening System (n8n, Google Forms, Sheets/Drive, Groq LLM) · [GitHub](#)

- Built an end-to-end recruitment automation that captures applications through a Google Form, validates email format, and logs applicant data with uploaded CVs to Sheets and Drive.
- Used a Groq-hosted LLM with structured output parsing to score each candidate against the job description and generate a reasoning summary; automated scheduled review cycles, decision emails, and stale-record cleanup.

AI Lead Research & Personalized Email Generator (n8n, Groq, Google Sheets) · [GitHub](#)

- Built a marketing automation / sales-outreach workflow that researches leads with AI web search and drafts personalized outreach emails.
- Used Google Sheets as a live dashboard tracking lead status from initial research through to email draft.

Multi-Company LinkedIn Job Scraper & Tracker (n8n, Apify, Google Sheets) · [GitHub](#)

- Built an n8n pipeline that reads a target company list from Google Sheets, resolves each company's LinkedIn ID via LinkedIn's public search API, and checks live job counts before scraping to save API calls.
- Triggered an Apify actor to scrape full job listings (title, location, salary, description, applicant count), deduplicating by job ID and upserting results into a per-company status log.

Competitor Price & Product Monitoring System (n8n, Web Scraping, Supabase, Gmail) · [GitHub](#)

- Scrapes a rival retailer's catalogue on a schedule and uses Supabase to detect new listings or price changes, emailing Gmail alerts with the details.

TECHNICAL SKILLS

AI & Automation: n8n workflow automation, AI agents & RAG pipelines, LLM integration (OpenAI, Gemini, Groq, OpenRouter, Ollama), WhatsApp Business API & Telegram bots, vector databases (Supabase), REST APIs & webhooks, web scraping

Programming & CS: C++, JavaScript (n8n Code nodes), OOP, Data Structures, problem solving (400+ Codeforces problems)

Productivity & Tools: Google Calendar/Gmail/Sheets, Airtable, Excel, Notion, Git

Other: Bilingual professional communication (Arabic/English), confidential data handling

EDUCATION

B.Sc. in Computer and Information Science — Assiut University, Assiut, Egypt Oct 2024 – May 2028 (*Expected*)

ADDITIONAL

- FDC Summit 2026 (Future of Digital Countries), Cairo — regional summit on digital transformation, Sept 2026. [LinkedIn](#)
- Competed in ACPC 2026 (Arab Collegiate Programming Contest) as part of a team, Aug 2026. [LinkedIn](#)
- Attended DevFest Assiut 2025, a community developer conference on software and AI development. [LinkedIn](#)