

DR. MOHAMED MASLOOH

PHYSICIAN & AI DEVELOPER

INTERN PHYSICIAN & HEALTHCARE AI ARCHITECT

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PROFESSIONAL SUMMARY

Physician and Healthcare AI Developer specializing in the integration of Large Language Models (LLMs) and Retrieval-Augmented Generation (RAG) systems within clinical workflows. Proven track record of developing EMR documentation solutions, bilingual voice-to-text dictation apps, and healthcare automation pipelines. Uniquely positioned to bridge the gap between clinical medicine and healthcare digitalization, specializing in clinical case structuring, medical data security, and database optimization.

EDUCATION

BACHELOR OF MEDICINE AND SURGERY (M.B.B.CH / MBBS)

2020 – 2025

Cairo University — Kasr Al-Ainy Faculty of Medicine

CLINICAL TRAINING & EXPERIENCE

MEDICAL INTERNSHIP (HOUSE OFFICER)

March 2026 – March 2028 (Expected)

Kasr Al-Ainy Hospital (Cairo University Tertiary Care Centers)

Rotating through core clinical subspecialties in a high-volume, 5000+ bed tertiary academic hospital system. Responsible for patient history taking, clinical documentation, assisting in surgical and obstetric interventions, and collaborating with multidisciplinary care teams.

2 MONTHS (COMPLETED)

General Surgery

3 MONTHS (CURRENT)

Obstetrics & Gynae

3 MONTHS (UPCOMING)

Pediatrics

3 MONTHS (UPCOMING)

Internal Medicine

TECHNICAL & PROFESSIONAL EXPERIENCE

HEALTHCARE AI SYSTEMS DEVELOPER

2023 – Present

Roundly Artificial Intelligence Systems

Lead technical developer architecting and deploying production-ready AI solutions for clinical environments. Design secure database structures and prompt pipelines that interface with hospital interns and teaching staff to improve data extraction and structure unstructured medical records.

CO-FOUNDER & TECH LEAD

2024 – Present

Triviadox

Co-founded an educational platform structuring university question banks for students. Managed data extraction, validation, and loading pipelines using n8n and LLM agents to ensure question accuracy and consistency.

KEY PROJECTS (CLINICAL AI & EHR SOLUTIONS)

CASEPAD

Next.js 15, Gemini 3, Supabase, Clerk, R2

An intelligent clinical logbook currently in testing phase with interns and TAs at Kasr Al-Ainy Hospital. Converts doctor's voice dictations and photographed clinical notes into structured, professional SOAP notes and presentations using Gemini models, with built-in PII anonymization to safeguard patient privacy. (Live: [casepad.online](#))

WARID

Tauri 2, React 18, Gemini, SQLite

Open-source voice-to-AI desktop application that records speech-to-text with advanced code-switching capabilities (seamlessly parsing mixed Arabic and English). Structuring transcriptions into ready-to-use prompts or clinical documentation templates locally. (Live: [mohamedmaslooh.github.io/Warid](#))

MEDGIST

Next.js 15, Cloudflare D1, AI Agents

An automated bilingual timeline and news archive tracking the history and advancements of AI in medicine from 1950 to 2026. Employs autonomous research agents to crawl, translate, and summarize publications.

TRIVIADOX

n8n, LLM Agents, Database Automation

Bilingual platform for structuring and validating academic trivia. Deployed automated LLM validation pipelines to filter and verify specialized medical question banks. (Live: [triviadox.com](#))

GOOGLE CLOUD CERTIFICATIONS

Vector Search and Embeddings - Google Cloud (May 5, 2026)

Generative AI for Healthcare - Google Cloud (May 28, 2025)

Introduction to Generative AI - Google Cloud (May 28, 2025)

SKILLS & COMPETENCIES

CLINICAL & RESEARCH

Clinical Medicine, Medical Documentation, Clinical Case Writing, Research Methodology, Pediatric Care, Trauma Management.

TECHNICAL & ARCHITECTURE

LLMs (Gemini, OpenRouter), RAG Systems, Supabase, PostgreSQL, SQLite, Cloudflare D1/R2, n8n, Local AI Agents (DeepSeek-R1), Agent Orchestration, Tauri, React, TypeScript, Git.