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Medical Intern · Clinical AI Developer

Profile

Medical intern at Cairo University Hospitals (Kasr Al Ainy), M.B.B.Ch. 2025. Programs every day, working mostly with AI tools such as Claude, and builds AI software for clinical work. RotaMate replaced the paper roster for more than 2,500 interns, and Scrybe reads handwritten admission sheets into the hospital record. Sets the batch's rotations and shift cover as internship coordinator. Next step: research on AI-assisted diagnosis and on how clinical AI should be evaluated.

Education

2020 - 2025
Bachelor of Medicine and Surgery (M.B.B.Ch.)
Kasr Al Ainy Faculty of Medicine, Cairo University
Overall grade Very Good.

Grades 10 - 12
Secondary School Certificate
Government secondary school, Al Khobar, Saudi Arabia
Leaving grade 97%. General Aptitude Test (Qudurat) 91% at the first attempt.

Grades 1 - 9
IGCSE, British Curriculum
Primary through intermediate school, all nine grades on this curriculum

Clinical Training

2025 - Present
Medical Intern
Cairo University Hospitals (Kasr Al Ainy)
Rotations completed: Internal Medicine, Paediatrics, Obstetrics and Gynaecology.

- Take histories and examine patients under supervision, and keep their records.
- Review inpatients daily on the wards and see patients in outpatient clinics.
- Work at emergency reception and on call with the clinical team, escalating any deteriorating patient to senior staff. Assist at bedside procedures and in theatre.

Clinical AI and Software

2025 - Present
RotaMate
Founder and developer · shift and duty app for medical interns on iOS and Android

- Took a whole internship batch off the paper roster; more than 2,500 interns use it.
- Its AI Duty Assistant lets interns ask duty questions in their own words, Arabic first. Gemini answers from the published guides only and never gives dosing advice.
- Built in Flutter on Supabase. Handle everything from requirements to user support.

2026
Scrybe
Developer · Windows app that enters handwritten sheets into MRM, the hospital records system

- Two AI models, Gemini and Groq, read each sheet, and any field where they disagree gets flagged.
- The doctor checks every field before the app types it in, and the doctor presses Save. The patient's name is masked before the AI sees the image.

2026
Kasr Al Ainy Systems
Developer · internal software for the Faculty of Medicine

- Does the administrative work of the internship year from one register (cohort 194, 1,901 interns), Internal Medicine rotations and Training Office courses included.
- Builds each week's rotations with Claude. Also wrote a bilingual Internal Medicine records system.

2026

Alumni System

Developer · offline app for the faculty, made with Prof. Dr. Ehab El Refaee and the alumni team

- Turns old cohort name lists into answers such as which graduates became cardiologists, where they work now and what they have published.
- Programmed with Claude Code. Searches in Arabic or English whatever the spelling, and looks graduates up in PubMed and ORCID; every match waits for a person to approve it.

2026

Course Binder

Developer · teaching calendar for a neuroendoscopy fellowship

- Plans the Cairo-Greifswald Fellowship in Neuroendoscopy, run by Prof. Dr. Ehab El Refaee. Organisers see which sessions still have no lecturer, and faculty book their own topic and date.
- Version one is being built for the January 2027 intake.

Leadership and Administration

2025 - Present

Internship Coordinator

Kasr Al Ainy Faculty of Medicine, Cairo University

- First point of contact for interns on anything involving the clinical departments or the faculty administration.
- Set rotations and shift distribution for around 2,500 interns, and fill gaps in cover when someone is absent.
- Rewrote the scheduling rules so each intern can see every allocation that affects them. Disputes over duty cover fell after that.

2020 - 2025

Batch Representative and Leader

Kasr Al Ainy Faculty of Medicine · elected in every year of the course

- Represented around 2,500 students to the faculty on exams and scheduling. Head of the graduation day.

Five years

Student Representative and Leader

Cairo University · Yemeni students

- Led the Yemeni students for five years and took part for Yemen in the university's international cultural day.

Teaching and Medical Education

2020 - Present

Founder, Future Doctors

Telegram bot and study channels, one channel for each year of the course

- Coded the bot (@medical_194_bot) from scratch; more than 73,000 people have used it. Wrote a large share of the study files too, kept in an ordered archive.

2026 - Present

Instructor, Surgical Skills Lab

Kasr Al Ainy Faculty of Medicine

- Teach clinical and surgical skills to medical students in the lab.

Two years

Ultrasound Course Instructor

Practical courses for undergraduate medical students

- Designed the courses and wrote all the teaching material. Each skill is explained and demonstrated, then students practise under supervision, so nobody leaves without having done it.

Skills

Technical	Programming, mostly with AI tools (Claude, Claude Code); LLM integration (Gemini, Groq); Flutter; Next.js with TypeScript; Supabase and Postgres; Python; Windows desktop automation.
Clinical	History taking and examination, inpatient and outpatient care, emergency reception, on-call duties, immediate life support, infection control, reading investigations, ultrasound, clinical documentation.
Teaching and leadership	Rotation and shift scheduling, running large groups, event organisation, course design, practical teaching, public speaking.

Certificates

- Immediate Life Support (ILS)
- Infection Control
- Incision Academy courses, all five years and the internship
- Diploma in Adobe Photoshop

Personal Details

Languages	Arabic (native), English (professional)
Personal	Born 14 January 2002, Yemeni national
Residency	Egypt, and Saudi Premium Residency
Interests	Playing the piano