

Mohammad Qodrati, M.D.

a general physician, interested in and familiar to software programming

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EDUCATION

Doctor of Medicine

Sep 2012 – Aug 2020

Tehran University of Medical Sciences, Tehran, Iran.

- QS World University Ranking in medicine #301-350
- GPA: **3.86** out of 4
- Thesis: Epidemiology and antimicrobial susceptibility pattern of *Staphylococcus aureus* isolates from hospitalized patients at a tertiary hospital in Tehran, Iran, 2018 – 2019.

AWARDS

Ranked #9 (top 2.5%) at the national comprehensive medical pre-internship exam in Sep 2018. nationwide

Ranked #11 among ~450K candidates in *Konkur 2012* (Iranian National University Entrance Exam). nationwide Scored 97% in physics and 93% in math.

EXPERIENCE

Research Assistant @ *Iranian Research Center for HIV/AIDS*

2018 – present

Iranian Institute for Reduction of High-Risk Behaviors, Tehran, Iran.

- Ten years after the previous reports, a long-awaited project to help clinicians and policymakers fight *Staphylococcus aureus* by giving insight about its then-current ecology.
- Academic writing, revising, and publishing journal articles – especially related to health information technology (HIT) and management (HIM).
- Supervisor: SeyedAhmad SeyedAlinaghi, MD, MPhil, PhD, Assoc. Prof.

Medical board and health information consultant

Jan 2020 – present

SynApps Group, Tehran, Iran.

- Designing data models and structures based on the [HL7 FHIR](#) logic and resources, and incorporation of terminology systems (SNOMED CT, LOINC).
- Projects include computerized physician order entry (CPOE) and digitization of different hospital paper-based forms.

General Physician @ *Shafā Hospital, Boshruyeh, South Khorasan, Iran.*

Nov 2020 – Aug 2022

- of the emergency department, responsible for initial visit and management, re-evaluation, and then patient disposition
- on-call locum tenens for the inpatient, specialty wards
- available for some primary care visits

Intern Doctor

Nov 2018 – Apr 2020

/ Clinical Clerkship Student

Feb 2016 – Mar 2018

Affiliated hospitals, Tehran University of Medical Sciences, Tehran, Iran.

Student Mentor

Sep 2015 – Jun 2016

School of Medicine, Tehran University of Medical Sciences, Tehran, Iran.

PROJECTS

- Co-founding *Tab-e Teb* group** 2014 – 2017
- o aimed to improve medical education
 - o included a website plus an internet forum
 - o published leaflets and question banks
- Web-based student portals** 2013 – 2015
- o online grade reporting
 - o Q&A with teaching professors of the medical school
- 2014 FIFA World Cup prediction website** 2014
- o For the Fall 2012 cohort of medical students

COMPUTER KNOWLEDGE / SKILLS

- o Advanced: PHP, XHTML, CSS, SQL, Database design, MovableType, Wordpress, Adobe Photoshop, MS Office, Google Drive, Zotero, HL7 FHIR
- o Intermediate: Python, Object-oriented programming (OOP), git, Github, Drupal, Flutter
- o Beginner: AI/ML, RDF, LaTeX, IBM SPSS Statistics, Anaconda

LICENSES & CERTIFICATES / Selected MOOCs

- o Accredited general physician by *Iran Medical Council (IRIMC)* since Aug 2020
- o **IELTS** Academic (overall band score) = **8** out of 9 Dec 2022
- o “Introduction to Healthcare” via *Coursera*, authorized by Stanford University Sep 2021
- o “Applied Text Mining in Python” via *Coursera*, authorized by University of Michigan Aug 2021

PUBLICATIONS (journal articles and books)

1. Qodrati M, SeyedAlinaghi S, Manshadi SA, Abdollahi A, Dadras O. Antimicrobial susceptibility testing of *Staphylococcus aureus* isolates from patients at a tertiary hospital in Tehran, Iran, 2018-2019. *European journal of medical research*. 2022 Aug 17;27(1):152. (PMID: [35978369](#); DOI: [10.1186/s40001-022-00778-w](#))
2. Design, development, and evaluation of a registry system for hyperbaric oxygen therapy: A methodological study. *Health Science Reports*. 2022 Sep. (DOI: [10.1002/hsr2.768](#); PMID: [35949684](#))
3. “SARS-CoV-2 infection and severity in patients with hematologic malignancies: A systematic review” [*under review*]
4. Persian translation of “Pocket Medicine: The Massachusetts General Hospital Handbook of Internal Medicine - 6th Edition” — 2017.
5. Persian co-translation of “The Mom Test: How to Talk to Customers and Learn If Your Business is a Good Idea when Everyone is Lying to You” by Rob Fitzpatrick — 2017.
6. Persian co-translation of “Jawetz, Melnick & Adelberg’s Medical Microbiology - 27th Edition” — 2016.

HOBBIES: Cooking, literature and linguistics, amateur astronomy, traveling, trekking.

REFERENCES (available upon request)