

Ghasem Dolatkhah

dr.ghasemdolatkhah@gmail.com | Mashhad | Iran | [Linkedin](#) | +16124709615

As a highly skilled physician with over 5 years of experience in acute care settings, I have developed a strong foundation in patient assessment, diagnostic reasoning, and evidence-based treatment planning. My leadership tenure as Deputy Chief of an emergency department has refined my abilities in healthcare administration, crisis management, and interdisciplinary collaboration. With a diverse background spanning emergency medicine and primary care, I have consistently delivered high-quality, patient-centered care to diverse populations, including those in resource-limited settings. I am committed to leveraging my clinical expertise, problem-solving skills, and passion for community health to drive positive outcomes as a medical professional at a progressive healthcare institution aligned with my values.

Education

- Mashhad University of Medical Sciences (Dec 2017 – Dec 2020): Doctor of Medicine - MD, Medicine
- Semnan University of Medical Sciences (Sep 2011 - Dec 2017): Medicine

Professional Experience

1. Medical Intern (Jan 2019 - Nov 2020)

- Managed patients in emergency, inpatient, and outpatient settings across various specialties
- Participated in daily rounds, reports, and conferences.
- Assisted in surgical procedures, including laparotomy, hysterectomy, cesarean, and appendectomy.
- Rotated through specialty care, quaternary care, and teaching hospitals, traumatology, and more.

2. Medical Doctor (Dec 2020- Present)

Family Physician at Healthcare Service Center of KHARTUT (Dec 2020 - Sep 2021)

- Provided comprehensive, high-quality care to vulnerable populations (pregnant women and pediatric)
- Coordinated large-scale vaccination efforts, including the National vaccination plan.

Family Physician at Healthcare Service Center of KOHNE JOLGE (Dec 2021 - Jun 2022)

- Delivered comprehensive primary and urgent care to over 10,000 rural patients in medically underserved areas (MUAs), Especially high-risk obstetric and pediatric cases.
- Provided critical emergency services for acute conditions in a resource-limited setting.
- Implemented robust preventive health programs (vaccinations and environmental health initiatives).

Telemedicine (Jan 2021- Present)

- Partnered with physicians to deliver **functional medicine**.
- Conducted remote consultations for 5+ patients weekly.

Integrative Health and Wellness Physician (Dec 2023 - Present)

- Provide daily consultations for over 250 outpatients (Medical and Cosmetic).
- Conduct monthly health education sessions, reaching near 650 patients.
- Managed Methadone Maintenance Treatment (MMT) for patients with opioid use disorder.
- Providing comprehensive Occupational Medicine services to promote workplace health, safety, and productivity.

3. Emergency Medicine Physician

Poursina Hospital (Sep 2021 - Dec 2021)

- Managed over 180 emergency patients daily in a Specialty Hospital and Tertiary Care setting.
- Stabilizing critically ill patients MT, GIB, MI, intoxications, DKA, arrhythmias, and etc.
- Served a diverse, multi-cultural population (Persian, Tat, Kurmanj, Turkmen, Baluch).

Emam Hasan Hospital (Sep 2022 – November 2023)

- Managed General Hospital with over 40 critical patients & over 100 outpatient cases daily.
- Conducted emergency procedures such as chest tube insertions, intubations, CPR and etc.
- Provided emergency care for pregnant women and managed natural childbirth (NVD).

4. Medical Administration

Director, Healthcare Service Center of KHARTUT (Dec 2020 - Sep 2021)

- Administered and operated a healthcare facility in an underserved village with limited resources.
- Developed a CME program, training 10 units and increasing vaccination rates by 33%.

Director, Healthcare Service Center of KOHNE JOLGE (Dec 2021 - Jun 2022)

- Overcame a ~60% supply shortage, increasing patient visits by 39% in 6 months.
- Achieved 95% patient satisfaction through quality care.
- Implemented strategies to expand healthcare access and prevent epidemics.
- Manage vaccination programs, including COVID-19, influenza, and routine immunizations.

Deputy Chief of Emam Hasan Hospital, Emergency Department (Sep 2022 – November 2023)

- Executed process enhancements to optimize productivity and foster a positive organizational culture.
- Partnered with hospital administration to elevate staff performance.
- Oversaw regional crisis management initiatives in response to the scarcity of medical facilities

5. Researcher

Freelancer Medical Writer (Feb 2022 - Present)

- Executed systematic literature, analyzing data and authoring guideline-compliant scientific content.
- Consulted on medical publication submission processes.

Research Specialist, MicrobZoo® (May 2023 - Present)

- Conducted clinical research, analyzed (Python), visualized data, and presenting findings (PPT).
- Proofread and edited medical articles ensuring accuracy and compliance.

6. Data Science & AI Projects

Freelancer (April 2021 - Nov 2023)

- Collaborated with a team on 13 Python projects on **Freelancer.com** (Banned for Geographical sanctions).
- Developed a Python script for biomedical data to train an AI model aimed at diagnosing diseases

Open Source Project

- Developed an optimized deep learning model (CNN+LSTM) for highly accurate ECG classification, validated on the public PTB-XL dataset.

Licenses & Certifications

Medical & Healthcare:

- Iran Medical Council (IRIMC)
- World Health Organization (WHO): WHO ICRC Basic Emergency Care, Pandemic Influenza Vaccines, Clinical Management of Patients with COVID-19
- Neuroscience: Duke University, University of Tasmania, Shahid Beheshti University
- BLS, ACLS, PALS, and NRP (Neonatal Resuscitation Program).
- Methadone Maintenance Treatment (MMT), and Occupational Medicine.

AI & Technology:

- AI with Python - Harvard University.
- AI for Medical Diagnosis - Coursera.
- AI in Healthcare Specialization - Stanford University.
- AI in Health and Biomedical Sciences - IINS.
- AI in Neuroscience - Iran National Elites Foundation (INEF).

Project Management & Leadership:

- Project Management Specialization: Google, University of California.
- Achieving Personal and Professional Success Specialization - University of Pennsylvania
- Organization Planning and Development for the 6 σ Black Belt - Kennesaw State University

Data Science & Analytics:

- R, Python Analysis and Visualization, Machine Learning, Excel – LinkedIn
- IBM

Publications

1. *Microbiology of Post-Cardiac Surgery Infections in Children with Congenital Heart Diseases, A Single-Center Experience, Mashhad, Iran.*
2. *The Use of Curcumin in the Treatment of Colorectal, Breast, Lung, and Prostate Cancers An in-vivo Study Update. Journal of Lab Animal Research (JLAR).*
3. *Global perspectives on governing healthcare AI: prioritising safety, equity and collaboration, BMJ Journals.*
4. *I have 2 more systematic reviews currently in preprint that are planned to be submitted for publication in 2024.*

Skills

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|------------------------------|-----------------------|
| • Medical Expertise | • Teamwork |
| • Scientific Research | • Adaptability |
| • Communication | • Leadership |
| • Problem-Solving | • Empathy |
| • Python | |

Languages

Persian (Native)
English (Professional Working)

Honors & Awards

1. **Appreciation for Medical Services in COVID-19:** Mashhad University of Medical Sciences (May 2020).
2. **Unprecedented Effort in Saving High-Risk Pregnant Mothers:** Honored by Bojnord University of Medical Sciences (Jan 2022).
3. **I had the distinct honor of collaborating with the Deputy Chief of Mashhad University of Medical Sciences to provide essential services, diagnostics, and medical care to tourists (Sep 2023).**

Volunteering

1. **General Practitioner:** Dec 2018 - Sep 2019 (10 months): Volunteered during the COVID-19 pandemic, providing care and support in multiple healthcare centers and hospital.
2. **Vaccination supervisor:** Aug 2021 – Feb 2021 (6 months).
3. **Medical Doctor:** Jul 2022 (1 month): Volunteered to enhance the health of underprivileged individuals.
4. **Medical Doctor:** Sep 2023 (2 days): In partnership with the Mashhad University of Medical Sciences, I was instrumental in providing essential healthcare services to tourists during major religious events.

References

References are available upon request.