

ALIREZA AMIN

Clinical Skills and Medical Education

MBBS | Ajman, United Arab Emirates
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PROFILE

Medical educator with eight years of experience teaching clinical, procedural, communication and basic surgical skills, with expertise in simulation-based education, assessment and programme coordination. Seeking university teaching positions and funded PhD opportunities in medical education. Research interests include clinical reasoning, metacognition, cognitive load, and the use of AI and immersive technologies to support learning and clinical decision-making in health professions education.

EXPERIENCE

Coordinator, Clinical Skills Program

Gulf Medical University

September 2020 - present | Ajman, UAE

Clinical Facilitator | February 2018 - present | Full-time

- Coordinate clinical skills sessions within module systems across the MD, Graduate Entry MD (GEMD) and Higher Diploma in Preclinical Sciences (HDPCS) programmes.
- Teach communication, clinical, procedural and basic surgical skills.
- Design, organise and conduct skills assessments, including objective structured clinical examinations (OSCEs); develop digital assessment checklists and conduct assessment standardisation and examiner calibration.
- Oversee the development of virtual reality (VR) educational programmes and contribute to the implementation of mixed-reality learning activities.
- Deliver First Aid teaching and support students as a designated mentor in the university Student Mentorship Program.

20 contact hours per week | Fall semester 2026-2027

SIMULATION DEVELOPMENT

BE.MED.SKILLED

Educational design collaboration | June 2024 - June 2025

Contributed to educational design and implementation of mixed-reality simulation within the medical programme.

MVR Technologies

VR simulation collaboration | June 2023 - June 2024

Developed interactive simulation scripts and condition-based logical flows for medical and nursing student simulations.



CORE EXPERTISE

Programme coordination

Clinical skills teaching across MD, GEMD and HDPCS programmes.

Assessment design

OSCEs, digital checklists, standardisation and examiner calibration.

Immersive simulation

VR scenario scripting, simulation configuration and mixed-reality educational design.

Medical education research

XR study delivery, post-simulation interviewing, and analysis of cognitive load and clinical reasoning.

EDUCATION

Master in Health Professions Education

Gulf Medical University
Expected October 2026

Bachelor of Medicine, Bachelor of Surgery

Gulf Medical University
Awarded November 2016

TEACHING AWARD

Excellence Award in Teaching

GMU Rewards & Recognition
January 2026

ALIREZA AMIN

Research and professional contributions

RESEARCH EXPERIENCE

MHPE thesis

Gulf Medical University

An Electroencephalogram (EEG)-Based Assessment of Cognitive Load and Clinical Reasoning During Acute Abdomen Simulations Using the XR Body Simulator

Supervisor: Professor Henk G. Schmidt, Erasmus University Rotterdam, the Netherlands.

- Investigated cognitive load and clinical reasoning in a non-randomised, two-group XR acute-abdomen simulation study, with 42 participants in the analytical cohort.
- Configured the simulation and conducted post-simulation interviews to explore diagnostic reasoning.
- Reviewed EEG recordings jointly with an EEG technologist against synchronised video and prepared the original EEG observation notes.
- Organised coded observations and analysed participant-level findings using EEG observations, NASA Task Load Index (NASA-TLX) workload ratings and interview-based reasoning accounts.
- Prepared structured analytical workbooks and organised the study materials for thesis reporting.

ADDITIONAL EXPERIENCE

Chief Operating Officer and Medical Event Specialist

IRADA Events

December 2017 - present | Freelance | Dubai, UAE

Organise medical conferences and workshops.

Compulsory Resident Rotating Internship

Saqr Hospital and Obaidallah Hospital

August 2015 - August 2016 | Ras Al Khaimah, UAE

SELECTED TRAINING

Trainer of Trainer in First Aid

Awarded November 2021

Global First Aid Reference Center and International Federation of Red Cross and Red Crescent Societies (IFRC).

RESEARCH INTERESTS

- Simulation-based health professions education
- Clinical reasoning and cognitive load
- Metacognition and self-regulated learning
- Adaptive AI support in XR
- Transfer to independent clinical reasoning

RESEARCH DIRECTION

Particular interest in reflective AI prompts and playful exploration of clinical interpretations in XR, and whether these support reasoning on unfamiliar cases completed without AI assistance.

LANGUAGES

Persian (Farsi)

Native

English

IELTS overall 8.0

3 December 2023

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