



College of Pharmacy cordially invites you to attend the faculty research seminar

AI Implementation in Healthcare: A Case Study on Machine Learning for Personalized Dosing



This presentation explores the transformative potential of AI in healthcare, focusing on implementing machine learning for personalized dosing. We describe our work on dose calculation for IV Heparin for inpatients built in line with the SALIENT framework, which describes end-to-end AI solutions from data preparation to clinical trials, emphasizing responsible AI principles. We introduce other relevant projects we did including adverse drug reaction predictive model, Sepsis prediction, referrals AI, and others.

Monday, Jan 13, 2025

01:00 pm - 02:00 pm

G.Cl.04

Online via Microsoft Teams

<https://shorturl.at/ZvFU8>



Speaker:

Ahmad Abdel-Hafez Assistant Professor, Data Science & AI. College of Computing and IT University of Doha for Sciences & Technology

Dr. Ahmad Abdel-Hafez, Assistant Professor at the University of Doha for Science and Technology (UDST), is a data scientist specializing in Machine Learning (ML), Artificial Intelligence (AI), and applied data science. His expertise spans healthcare, finance, education, and industry, focusing on practical ML applications. Formerly a data scientist at Queensland Health, Australia, he led impactful multidisciplinary projects from inception to deployment. Dr. Abdel-Hafez has co-investigated successful grant applications exceeding \$2M and has mentored numerous students, co-supervising several Ph.D. candidates to graduation at leading Australian universities. His work advances data-driven decision-making in healthcare, improving efficiency and outcomes.

Mission

To prepare our students to provide optimal pharmaceutical care and advance health care outcomes, to promote research and scholarly activity, and to serve as a pharmacy resource for Qatar, the Middle East and the world.

Vision

Advancing healthcare in Qatar and the world through excellence and innovation in pharmacy education, research and service.

