University of Glasgow

5 Courses

Data mining of Clinical Databases - CDSS 1

Deep learning in Electronic Health Records - CDSS 2

Explainable deep learning models for healthcare - CDSS 3

Clinical Decision Support Systems - CDSS 4

Capstone Assignment - CDSS 5

Dec 11, 2025

Muzammil Khan

has successfully completed the online Specialization

Informed Clinical Decision Making using Deep Learning

This specialization was for learners with experience in programming interested in expanding their skills in applying deep learning in Electronic Health Records and with a focus on how to translate their models into Clinical Decision Support Systems. The main areas explored were: Data mining of Clinical Databases: Ethics, MIMIC III database, International Classification of Disease System and definition of common clinical outcomes. Deep learning in Electronic Health Records: From descriptive analytics to predictive analytics Explainable deep learning models for healthcare applications: What it is and why it is needed Clinical Decision Support Systems: Generalisation, bias, 'fairness', clinical usefulness and privacy of artificial intelligence algorithms.

Fani Deligianni
PhD, MSc, MSc, MEng
Lecturer at School of
Computing Science,
Glasgow University

Verify this certificate at:
https://coursera.org/verify/specialization/CZ88ZGL9ABBJ