AI IN HEALTHCARE CERTIFICATE

Program Description

As data in healthcare grows more complex, AI is increasingly being used to enhance diagnoses, treatment, patient engagement, and administrative tasks. Brought to you by expert faculty from Weill Cornell Medicine, this certificate program focuses on the transformative power of data science and artificial intelligence in the healthcare space.

You will begin by developing a foundation in machine learning techniques, emphasizing data preparation and predictive analytics to improve patient care. You will build on this by focusing on efficient data management, exploring relational databases, and honing skills in data querying for insightful healthcare decisions. You will then be introduced to natural language processing (NLP), exploring methods to extract insights from medical texts as well as ways to apply conscientious practices in data handling. Finally, you will examine the human factors influencing AI design and implementation, advocating for user-centered solutions that adhere to ethical principles.

Throughout the courses, you will have the opportunity to apply these teachings in hands-on exercises as you gain practice addressing real-world healthcare problems. Together, these courses will equip you with the skills to leverage technology for improved healthcare outcomes, ensuring data integrity, patient privacy, and the creation of equitable AI-driven solutions.

You must have intermediate proficiency in Python programming and machine learning to be successful in this certificate program.

Key Takeaways

- Design, implement and evaluate machine learning models in healthcare
- Manage, process, and analyze data to prepare for AI integration in healthcare
- Process and analyze text data to prepare for AI integrations in healthcare
- Apply natural language processing and data management models to daily workflows in healthcare

What You'll Earn

- AI in Healthcare Certificate from Weill Cornell Graduate School of Medical Sciences
- 56 Professional Development Hours (5.6 CEUs)

Who Should Enroll

- Data scientists
- Medical and health services managers
- Database and IT data architects
- Data engineers
- Digital transformation managers
- Clinicians with experience in informatics
- Biomedical and clinical informatics fellows
- Aspiring medical database managers or administrators

How To Enroll

For more information on how to enroll, please visit AI in Healthcare Certificate (https://ecornell.cornell.edu/certificates/healthcare/ai-in-healthcare/).

Courses

Code	Title	Hours
eCornell WCM124	Designing Digital Healthcare Tools	0
eCornell WCM122	Data Management in Healthcare	0
eCornell WCM121	Machine Learning in Healthcare	0
eCornell WCM123	Natural Language Processing in Healthcare	0