



4 Courses

Introduction to Data Science and scikit-learn in Python

Machine Learning Models in Science

Neural Networks and Random Forests

Capstone Project: Advanced AI for Drug Discovery

LearnQuest

Sep 23, 2024

Phúc Đàm

has successfully completed the online, non-credit Specialization

AI for Scientific Research

In the AI for Scientific Research specialization, you learn how to use AI in scientific situations to discover trends and patterns within datasets. You use Python to apply a classification model to predict the presence or absence of heart disease from a patient's health data. You cover the complete machine learning pipeline from reading, cleaning and transforming data to running basic and advanced machine learning algorithms. then you apply our skills to compare different machine learning models in Python. Next, you complete a project predicting similarity between health patients using random forests. The capstone project compares genome sequences of COVID-19 mutations to identify potential areas a drug therapy can look to target. You discover ways to combat disease with genome sequencing.

Neelesh Tiruvilumala
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Neelesh Tiruvilumala,
Co-founder and CEO
Machine Learning
Solutions
Rajvir Dua, Head of
Data Science, Machine
Learning Solutions

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