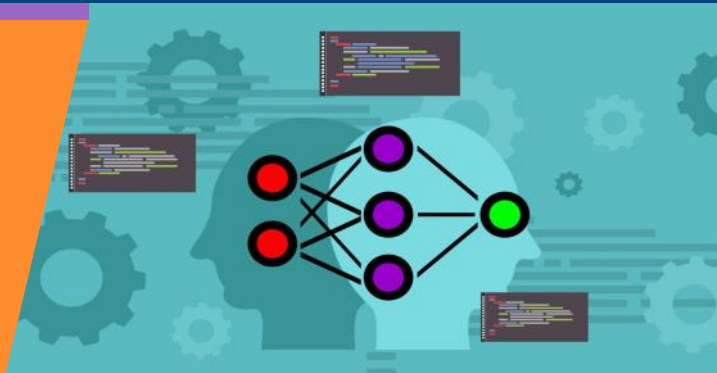


**TECHNOLOGY & ENGINEERING SERIES**

# Deep-Learning Applications in Python and Keras



Deep learning is an exciting new technique from the research work done by the artificial intelligence community. In particular, image recognition techniques used by self-driving cars or language translation engines like Google Translate are all based on deep learning.

Python and the Keras package will be used to introduce you to the basics of neural networks and deep learning. The programme will focus on two specific areas where deep learning has shown its strengths – Convolution Neural Networks for image recognition and classification, and Recurrent Neural Networks (RNN) for text analysis.

## DATE

**Monday, 09 October 2017**

## DURATION

**1 Day; 9.00am to 5.30pm**

## VENUE

**National University of Singapore**

## FEE

**S\$802.50 (includes GST)**

**Registration will close 5  
working days prior to  
programme commencement  
date**

**REGISTER NOW!**

## PROGRAMME OUTLINE

- ◆ Deep learning models and their applications
- ◆ 30 seconds to Keras
- ◆ Data pre-processing and working with small sample sets
- ◆ Introduction to Convolutional Neural Networks (CNN), how CNN sees the world and babysitting the learning process
- ◆ Introduction to Recurrent Neural Networks (RNN) and how RNN learns from a sequence of text.

## WHO SHOULD ATTEND

Software Engineers, Programmers

## PRE-REQUISITES

Must be familiar with the Python programming language and statistics 101 at a pre-university level.



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