

6-Day Deep Learning & Artificial Intelligence Course

*Get hands-on with the most disruptive innovations in Data Science,
and enable yourself to solve an ever-evolving array of analytical problems!*

What is Deep Learning, and Why is it Important?

Deep Neural Networks (Deep Learning) seek to replicate the way brains process information. Imagine a progression of nodes (neurons), each containing some aspect of your knowledge, and with the ability to communicate back and forth – only algorithmically. This is a game-changing innovation that will enable practitioners to harness previously untapped knowledge and dive deeper than has ever been possible.

Deep Learning is what enables self-driving cars to function, Spotify to create highly customized playlists, Google to identify faces & animals in videos, and how Siri can understand and process free speech in milliseconds. Deep Learning is revolutionizing almost every facet of our lives, and those who truly know how to harness its power are in extremely high demand.

Program

Provides a highly applicable, hands-on learning experience involving Deep Learning (Convolution & Recurrent Networks, etc.) and other advanced forms of Artificial Intelligence. Participants will learn to leverage such innovations for:

- Predictive Analytics
- Text Analytics & NLP
- Pattern Recognition
- Feature Engineering
- Time Series Analysis
- Computer Vision

Goal

This is an intensive, 2-week program designed to help working professionals and STEM grads become proficient in the most disruptive technologies ever developed in Data Science. You will learn to apply Deep Neural Networks towards a variety of problems and how to ensure that what you build is fully leveraged by your company.

Who Should Attend?

Current and aspiring Data Scientists looking to increase their value, learn bleeding-edge skills, and solve real-world problems with A.I. & Deep Learning. Though not required, it is recommended that participants hold at least a STEM Bachelor's. Lab sessions will take place in Python, so knowledge of that or other programming languages (e.g. R, Java, C#) is ideal.

Learn to...

- Architect A.I. & Deep Learning solutions.
- Build A.I. & Deep Learning applications.
- Interface with business users who may struggle to understand the technology.
- Recognize the limitations of AI & Deep Learning and avoid mistakes during production.
- Utilize best practices to ensure proper implementation and adoption.
- Demystify and visualize results for easy consumption by non-technical stakeholders.
- Lead A.I. & Deep Learning projects.

Curriculum

Week One

- Day 1: Intro to Artificial Intelligence/Machine Learning
- Day 2: Shallow Learning Fundamentals
- Day 3: Deep Learning (Deep Neural Networks) | Multi-Layered Perceptron
- *Project + Test (Out of Class)*

Week Two

- Day 4: Convolution Neural Networks
- Day 5: Recurrent Neural Networks
- Day 6: Scaling Deep Neural Networks + Program Recap
- *Final Project & Evaluation (Out of Class)*

Mentor & Professor

Murthy Kolluru | Ph.D., Carnegie Mellon University

Dr. Murthy holds a Ph.D. from Carnegie Mellon, started his career as a Rocket Scientist, and founded one of the top Data Science programs in the world (International School of Engineering). In addition to being a globally-recognized Data Science academician, he has 2 decades of experience consulting with, training, and conducting research for dozens of Fortune1000 companies.

Program Logistics

Cost: \$2,999 (15% early bird discount if paid prior to 1-9-18)

Detroit, MI: *February 1st - 3rd* and *8th - 10th* (from 8 – 5 EST)

- Location: Lawrence Tech: 21000 W 10 Mile Rd, Southfield, MI 48075

Columbus, OH: *February 5th - 7th* and *12th - 14th* (from 8 – 5 EST)

- Location: Dublin Integrated Education Center: 6805 Bobcat Way, Dublin, OH 43016

To register, contact Chris Dole @ 614-902-0294 or Chris@SoothsayerAnalytics.com