

The Amrita Hall

ARTIFICIAL INTELLIGENCE COURSE

for Everyone

DATA SCIENCE WITH PYTHON

MACHINE LEARNING

BIG DATA

DEEP LEARNING

What skills will you learn?

- AI is making a tremendous impact on our lives. It has been hailed as the "new electricity".
- From web search to autonomous driving, language translation to image understanding, software development has moved from mobile-first to AI-first.
- In this course we will discuss foundational principles such as Machine Learning, dive into Deep Learning, and develop applications in vision, natural language, and speech processing.
- This course will begin with a broad overview and a brief history of AI followed by foundations of Machine Learning, Neural Networks basics, and discuss various formalisms of neural networks such as CNNs, RNNs and Attention.
- We will wrap it up with advanced topics such as Reinforcement Learning and their applications in flight safety systems.
- Course participants will develop an application for social good.

Machine Learning With Python

Machine Learning is the field of study that gives computers the ability to learn without being explicitly programmed. This course teaches machine learning basics using Python, a widely used programming language. Python provides a vast collection of libraries that make it easy to develop Machine Learning applications.

Tensor Flow

TensorFlow is an open source framework that originated from Google Brain. In this course, we will use this framework to develop Machine Learning applications.



INSTRUCTORS



Sreeranga Rajan

Dr. Rajan is an IEEE Fellow, leading AI R&D at Alphabet.



Vishnu Rajan Tejus

Inspired by Amma, Vishnu is pursuing graduate studies at the Stanford University and is doing research at Google.

To know more, please visit :
<https://www.amrita-hall.org/ai>

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Efficient and Effective Pace

You will learn foundation level AI application skills through our series of class curriculum. Within three months you will be able to build deep learning applications. You will acquire core skills from industry leaders, which will strengthen and brighten your career path.

AI Toolkit

You will learn the key tools needed for development of AI application building namely Python, Jupyter and TF.

Personalized Project Reviews

During your Python project and Neural Network session you will be thoroughly guided by the mentors. They will provide detailed feedback and actionable insight to bring out the best in you.

Personalized Support and Mentorship

Learn with the support of mentors from the very beginning of the program.