

# Get Started With Applied Machine Learning On Google Cloud & Colab

Learn Data Engineering and Take  
Your First Step Towards Becoming a  
Hands-on Data Scientist & Intelligent  
Automation Engineer



DeepSphere.AI  
Enterprise AI and IIoT for Analytics





## Author

# Jothi Periasamy

Co-Founder | DeepSphere.AI

Board Member | University of California

Board Member, Chief Data Scientist & Lead Instructor  
University of California  
Silicon Valley & Davis, CA, USA

Artificial Intelligence Learning Facilitator  
MIT CSAIL & MIT Sloan  
Boston, MA, USA

Head of Artificial Intelligence  
Experfy (Harvard Innovation Lab)  
Boston, MA, USA

Academic Council for AI  
Universiti Tenaga Nasional University  
Selangor, Malaysia

- 17+ years of management consulting and end-to-end AI (ML, DL, RPA, NLP) experience with Deloitte, E&Y, and KPMG
- Over 50+ clients across industries: Retail, Consumer, Health, Energy, Oil & Gas
- Teaches AI at MIT – Head of AI, Architect at Experfy, Harvard Innovation Lab
- Co-innovates industry solution along with SAP America
- Published on finance, AI, Big Data, IIoT, Cloud, and SAP Appliances
- Delivered many real-world research projects and globally recognized as a keynote speaker at around 50+ conferences
- Recently invited by Prime Minister's office of Dubai, Malaysia, and Montreal
- Stanford alumni

# DEEPSPHERE.AI AND GOOGLE CLOUD



DeepSphere.AI (DS.AI) is a global leader in providing an advanced higher education platform for schools. DS.AI provides an intelligent learning management system (iLMS) to learn applied artificial intelligence, data science, and data engineering at a personalized level. DS.AI's iLMS platform is hosted on Amazon web services (AWS), and the learning resources have been developed on Google Cloud Platform (GCP) and SAP Litmos.

To create social readiness and awareness about applied AI, DS.AI continues to develop learning resources to educate and empower schools, colleges, universities, organizations, and public entities. This article is part of a series of learning resources, and there will be several articles published to master applied AI on Google Colab. We use several GCP services to develop these learning resources, including storage services, compute services, network services, and other products and services.

Our goal is to go beyond concepts, ideas, visions, and strategies to provide practical problem-solving applied AI skills, knowledge, and expertise to gain hands-on learning experience. To achieve our goals and objectives, we use GCP products and services, including BigQuery, AutoML, AutoML Tables, Dataproc, Dataflow, Data Studio, etc.



# DISCLAIMER



We only share this information for learning purposes, and we have developed this learning material based on our experience, skills, knowledge, and expertise. Our perspective on the tools, technologies, systems, applications, processes, methodologies and other information used in this learning material may differ from other providers. We advise users to use the learning material at their own risk.

The sample programs in the ensuing learning material were developed based on a few system and data assumptions, and these examples may or may not work for everyone. If there are any issues in following this learning material, please feel free to contact our support team, and we will do our best to help you based on the availability of our support services.

The hardware, software, tools, technologies, processes, methodologies, used in the learning material belong to the respective vendors. Users agree to use and implement the learning resources at their own risk, and under any circumstances, DeepSphere.AI is not liable for any of these vendor's products, services, and resources.

