



# The Institute of Electrical and Electronics Engineers (IEEE)

Galveston Bay Section  
Consulting-AG and Joint Societies Chapters



## ONLINE Virtual Meeting

Friday, June 11th, 2021 9:00 AM- 10:00 AM US-Central (Houston-Chicago)

## TOPIC: “An Introduction to Data Science”

Speaker: Sharan Kalwani, IEEE Senior member

### PRESENTATION

Data Science is the study of the generalizable extraction of knowledge from data. Being a data scientist requires an integrated skill set spanning mathematics, statistics, machine learning, databases and other branches of computer science along with a good understanding of the craft of problem formulation to engineer elective solutions. This short webinar will introduce you to this rapidly growing field and introduce some of its basic principles and tools as well as its general mindset. Attendees will learn concepts, techniques and tools they need to deal with various facets of data science practice, including data collection and integration, exploratory data analysis, predictive modeling, descriptive modeling, data product creation, evaluation, and effective communication. The focus will be on the high level treatment of these topics, synthesis of concepts and their application to solving problems.

### PRESENTER:

A seasoned scientific, technical and computing professional, Sharan has spent over 20+ years implementing many new and pioneering technologies from operating systems (\*nix) , high performance computing (Cray, SGI, compute clusters), engineering applications (CAE simulations), optimization, networking (TCP/IP, Infiniband), operations (ITIL, ITSM), scientific domain (BioInformatics) and project management. Sharan looks to increase the professional approach of every individual he interacts with. He enjoys teaching, contributing to STEM activities and publishing. He is a senior member of IEEE, ACM, Emeritus member of Michigan! /user/group, and was elected President of SEMCO (one of the pioneer computer user groups in Michigan). He chaired the IEEE SE Michigan Education Society Chapter for 2017. He is the author of the book , "UNIX and TCP/IP network security" " ISBN: 1581430213, ISBN-13: 9781581430219, Publisher: ProsoftTraining (May 1999), Format: paperback.

**THIS TUTORIAL EVENT IS ORGANIZED BY GALVESTON BAY SECTION Consulting AFFINITY GROUP  
AND JOINT SOCIETIES CHAPTERS**

**The presentation is FREE and open to all Interested IEEE and non-IEEE members.**

**Registration is required by THURSDAY JUNE 10th 2021 (Close of Business) 5:00 PM (US Central) to attend.**

**FOR REGISTRATION GO TO <https://events.vtools.ieee.org/m/274136>**

**Log-in Information will be provided to all registrants on completing the registration**

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