

Deep Learning Using TensorFlow



Dr. Ash Pahwa

39th Annual Applied Statistics Workshop 2020
California State University, Long Beach, CA
April 24, 2020



Host of the Event

- Dr. Olga Korosteleva
- Professor of Statistics
- Department of Mathematics and Statistics
- California State University, Long Beach

Bio: Dr. Ash Pahwa



- Ph.D. Computer Science
- Website: www.AshPahwa.com
- Affiliation
 - California Institute of Technology (Caltech), Pasadena
 - UC Irvine, UCLA, UCSD, Chapman
- Field of Expertise
 - Machine Learning, Deep Learning, Digital Image Processing, Database Management, CD-ROM/DVD
- Worked for
 - General Electric, AT&T Bell Laboratories, Oracle, UC Santa Barbara

Ventures

Dates	Entrepreneurial Ventures	Product / Services	Website Address
2008 – Present	A+ Web Services	SEO, Web Analytics services	www.AplusWebServices.com
2008 – Present	Axiom Software	Website Development	www.eAxiomSoftware.com
2008 – 2010	AssaySoft	Provides image analysis software	
1996 – 2004	DV Studio Technologies, Inc.	Apollo MPEG-1 and MPEG-2 encoders	
1992 – 1996	CD-ROM Strategies, Inc.	CD-Gen, CD-Arch premastering software	

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Deep Learning with TensorFlow

Schedule

Classes are held Saturdays, 8:00 AM to 5:00 PM, on the Caltech campus in Pasadena, California. Participants may also attend remotely via Webex.

	Summer 2020	Add to Cart
Deep Learning with TensorFlow	June 6, 13, 20	Register

INSTRUCTOR

Ash Pahwa, PhD



Outline: April 24, 2020

- 9:00 – 10:45 AM
 - Deep Learning and TensorFlow
- 11:00 – 12:30 PM
 - Optimization: Finding minimum point of the cost function
 - Gradient Descent Algorithm and its shortcomings
- 2:00 – 4:00 PM
 - Optimization Techniques in Deep Learning
 - Momentum + AdaGrad + RMS Prop + Adam