

07/06/2020

# Pavan Vishwanath

has successfully completed

#### Neural Networks and Deep Learning

an online non-credit course authorized by deeplearning ai and offered through Coursera



Adjunct Professor Andrew Ng Computer Science

 $Verify\ at\ coursera.org/verify/JGE_3C_7NRCEQM$ 

Coursera has confirmed the identity of this individual and their participation in the course.



07/09/2020

# Pavan Vishwanath

has successfully completed

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

an online non-credit course authorized by deeplearning.ai and offered through Coursera



Adjunct Professor Andrew Ng Computer Science

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Coursera has confirmed the identity of this individual and their participation in the course.



07/11/2020

# Pavan Vishwanath

has successfully completed

### Structuring Machine Learning Projects

an online non-credit course authorized by deeplearning.ai and offered through Coursera



Adjunct Professor Andrew Ng Computer Science

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27.09.2020

# Pavan Vishwanath

has successfully completed

#### Convolutional Neural Networks

an online non-credit course authorized by deeplearning.ai and offered through Coursera



Adjunct Professor Andrew Ng Computer Science

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Nov 15, 2020

# Pavan Vishwanath

has successfully completed

State Estimation and Localization for Self-Driving Cars

an online non-credit course authorized by University of Toronto and offered through Coursera

COURSE CERTIFICATE



Associate Professor, Aerospace Studies

Director, Space & Terrestrial Autonomous Robotic Systems Laboratory, Toronto Robotics and Artificial

Intelligence Laboratory

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