



JOHNS HOPKINS  
UNIVERSITY

10/13/2017

SYED MUSHARRAF ALI

has successfully completed

The Data Scientist's Toolbox

an online non-credit course authorized by Johns Hopkins University and offered through  
Coursera

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD  
Department of Biostatistics  
Johns Hopkins Bloomberg School of Public Health

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/BX6TNDBRBF44](https://coursera.org/verify/BX6TNDBRBF44)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



JOHNS HOPKINS  
UNIVERSITY

10/31/2017

SYED MUSHARRAF ALI

has successfully completed

R Programming

an online non-credit course authorized by Johns Hopkins University and offered through  
Coursera

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD  
Department of Biostatistics  
Johns Hopkins Bloomberg School of Public Health

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/A6MDWG98GD2G](https://coursera.org/verify/A6MDWG98GD2G)

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



JOHNS HOPKINS  
UNIVERSITY

12/27/2017

**SYED MUSHARRAF ALI**

has successfully completed

**Getting and Cleaning Data**

an online non-credit course authorized by Johns Hopkins University and offered through  
Coursera

A handwritten signature in black ink, appearing to read "Jeff Leek, Roger Peng, Brian Caffo".

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD  
Department of Biostatistics  
Johns Hopkins Bloomberg School of Public Health

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/YR7GLDRR97DZ](https://coursera.org/verify/YR7GLDRR97DZ)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



JOHNS HOPKINS  
UNIVERSITY

02/07/2018

SYED MUSHARRAF ALI

has successfully completed

Exploratory Data Analysis

an online non-credit course authorized by Johns Hopkins University and offered through  
Coursera

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD  
Department of Biostatistics  
Johns Hopkins Bloomberg School of Public Health

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/DPDQHSG9LTP](https://coursera.org/verify/DPDQHSG9LTP)

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





JOHNS HOPKINS  
UNIVERSITY

03/03/2018

**SYED MUSHARRAF ALI**

has successfully completed

**Reproducible Research**

an online non-credit course authorized by Johns Hopkins University and offered through  
Coursera

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD  
Department of Biostatistics  
Johns Hopkins Bloomberg School of Public Health

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/DYVKXUH4E5BL](https://coursera.org/verify/DYVKXUH4E5BL)

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



JOHNS HOPKINS  
UNIVERSITY

06/21/2018

**SYED MUSHARRAF ALI**

has successfully completed

**Statistical Inference**

an online non-credit course authorized by Johns Hopkins University and offered through  
Coursera

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD  
Department of Biostatistics  
Johns Hopkins Bloomberg School of Public Health

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/6SRMT8TNNJ4G](https://coursera.org/verify/6SRMT8TNNJ4G)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



02/25/2017

**SYED MUSHARRAF ALI**

has successfully completed

**Introduction to the Internet of Things and  
Embedded Systems**

an online non-credit course authorized by University of California, Irvine and offered  
through Coursera

A handwritten signature in black ink, which appears to read "Ian Harris", is positioned above a horizontal dotted line.

Ian Harris  
Professor  
Department of Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/LH5UJQCQ8JJA](https://coursera.org/verify/LH5UJQCQ8JJA)

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



03/20/2017

**SYED MUSHARRAF ALI**

has successfully completed

**The Arduino Platform and C Programming**

an online non-credit course authorized by University of California, Irvine and offered through Coursera

A handwritten signature in black ink, which appears to read "Ian Harris", is positioned above a horizontal dotted line.

Ian Harris  
Professor  
Department of Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/MRWFYTKXX77C](https://coursera.org/verify/MRWFYTKXX77C)

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





04/30/2017

**SYED MUSHARRAF ALI**

has successfully completed

**Interfacing with the Arduino**

an online non-credit course authorized by University of California, Irvine and offered through Coursera

A handwritten signature in black ink, which appears to read "Ian Harris", is positioned above a horizontal dotted line.

Ian Harris  
Professor  
Department of Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/VDJWBEAVKKDM](https://coursera.org/verify/VDJWBEAVKKDM)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



08/24/2017

**SYED MUSHARRAF ALI**

has successfully completed

**The Raspberry Pi Platform and Python  
Programming for the Raspberry Pi**

an online non-credit course authorized by University of California, Irvine and offered  
through Coursera

A handwritten signature in black ink, which appears to read "Ian Harris", is positioned above a horizontal dotted line.

Ian Harris  
Professor  
Department of Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/EMP4WJ5CCBN8](https://coursera.org/verify/EMP4WJ5CCBN8)

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



#3,394,801

CERTIFICATE NUMBER

# STATEMENT OF ACCOMPLISHMENT

HAS BEEN AWARDED TO

**Musharraf Ali**

FOR SUCCESSFULLY COMPLETING

**Introduction to R Course**



**DataCamp**



#3,305,970

CERTIFICATE NUMBER

# STATEMENT OF ACCOMPLISHMENT

HAS BEEN AWARDED TO

**Musharraf Ali**

FOR SUCCESSFULLY COMPLETING

**Intro to SQL for Data Science Course**



**DataCamp**



## CERTIFICATE OF COMPLETION

This is to certify that

**MUSHARRAF ALI**

CSID4463/20032017

has successfully completed the course

**ENTREPRENEUR 101**

FOUNDATION COURSE

The lessons covered include

1. UNDERSTANDING Entrepreneurship
2. STARTING Taking your first step
3. DEVELOPING Your Idea
4. SCALING Your Idea

*shahzaib khan*

SHAHZAIB KHAN, COURSE INSTRUCTOR, CURCLE

# **A SMARTER WAY TO LEARN**

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CERTIFIES

**Syed Musharraf Ali**

ON COMPLETION OF A RIGOROUS PROGRAM OF STUDY  
AND PRACTICE TO BECOME PROFICIENT IN THE

**PYTHON**

WEB DEVELOPMENT TECHNOLOGIES

September 21, 2018



Mark Myers

Trainer