



Dec 17, 2021

Muhammad Sajid IQBAL

has successfully completed with honors

Programming Foundations with JavaScript, HTML
and CSS

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

Susan H. Rodger *Robert Duvall* *Owen Astrachan* *Andrew D. Hilton*

Susan H. Rodger, Professor of the Practice, Computer Science

Robert Duvall, Lecturer, Computer Science

Owen Astrachan, Professor of the Practice, Computer Science

Andrew D. Hilton, Assistant Professor of the Practice, Electrical and Computer Engineering

COURSE CERTIFICATE

WITH HONORS



Verify at:
<https://coursera.org/verify/2KFK3R75UZVP>

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



Aug 22, 2021

Muhammad Sajid IQBAL

has successfully completed

Introduction to Cloud Computing

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

Rav Ahuja
Global Program Director,
Skills Network

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/2WNYBS7X33RH>

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



5 Courses

**Programming for Everybody
(Getting Started with Python)**

Python Data Structures

Using Python to Access Web Data

Using Databases with Python

**Capstone: Retrieving,
Processing, and Visualizing
Data with Python**



Oct 9, 2020

Muhammad Sajid IQBAL

has successfully completed the online, non-credit Specialization

Python for Everybody

This Specialization builds on the success of the Python for Everybody course and will introduce fundamental programming concepts including data structures, networked application program interfaces, and databases, using the Python programming language. In the Capstone Project, you'll use the technologies learned throughout the Specialization to design and create your own applications for data retrieval, processing, and visualization.

A handwritten signature in black ink that appears to read "Charles".

Charles Severance
Clinical Associate
Professor, School of
Information
University of Michigan

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:

<https://coursera.org/verify/specialization/3JHTF3L48TGM>



JOHNS HOPKINS
UNIVERSITY

Apr 22, 2021

Muhammad Sajid IQBAL

has successfully completed

Getting and Cleaning Data

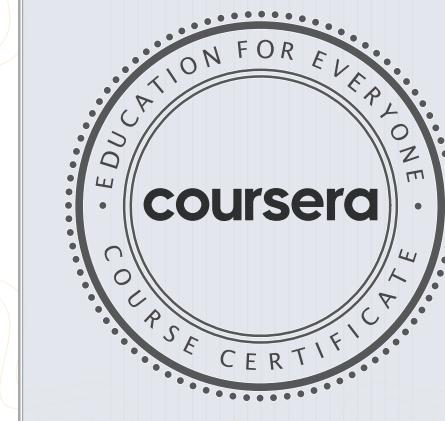
an online non-credit course authorized by Johns Hopkins University and offered through Coursera



A handwritten signature in black ink that reads "Muhammad Sajid IQBAL".

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/4BCKDEKKV4X2

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

This certificate does not affirm that this learner was enrolled as a student at Johns Hopkins University. It does not confer a JHU grade, course credit or degree; establish a relationship between this learner and JHU; enroll or register this learner at JHU or in any course offered by JHU; or entitle this learner to access or use resources beyond the online courses provided by Coursera.



JOHNS HOPKINS
UNIVERSITY

Dec 29, 2021

Muhammad Sajid IQBAL

has successfully completed

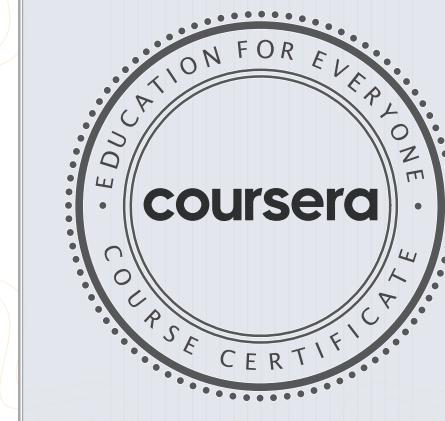
Statistics for Genomic Data Science

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

A handwritten signature in black ink, appearing to read "Jeffrey Leek".

Jeffrey Leek, PhD
Chief Data Officer, Vice President, and J Orin Edson Foundation Chair of Biostatistics in Public Health Sciences
Fred Hutchinson Cancer Center

COURSE CERTIFICATE



Verify at:

coursera.org/verify/4PST5UK6653Z

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

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Oct 31, 2021

Muhammad Sajid IQBAL

has successfully completed

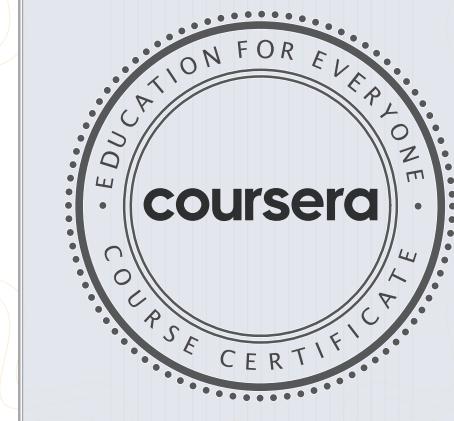
Database Design and Basic SQL in PostgreSQL

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

A handwritten signature in black ink that appears to read "Charles Severance".

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/4VBTFD27C4BT>

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



JOHNS HOPKINS
UNIVERSITY

Sep 25, 2020

Muhammad Sajid IQBAL

has successfully completed

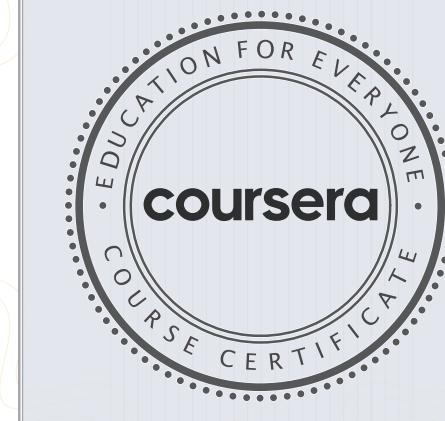
Genomic Data Science with Galaxy

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

A handwritten signature in black ink that reads "J. Taylor".

James Taylor, PhD
Department of Biology
Johns Hopkins University

COURSE CERTIFICATE



Verify at:
coursera.org/verify/7LUQ4SSY6GNL

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

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University of Colorado

Boulder | Colorado Springs | Denver | Anschutz Medical Campus

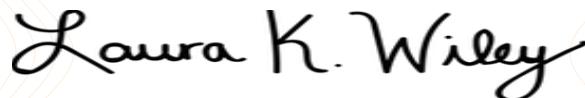
Jul 25, 2020

Muhammad Sajid IQBAL

has successfully completed

Introduction to Clinical Data Science

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



A handwritten signature in black ink that reads "Laura K. Wiley".

Laura K Wiley, PhD
Assistant Professor
University of Colorado Anschutz Medical Campus

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/7U65NE5EQS9T>

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



Oct 13, 2021

Muhammad Sajid IQBAL

has successfully completed

Responsive Website Basics: Code with HTML, CSS, and JavaScript

an online non-credit course authorized by University of London and Goldsmiths, University of London and offered through Coursera



Dr Matthew Yee-King, Dr Marco Gillies, Dr Kate Devlin
Computing Department
Goldsmiths, University of London

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/9H43729K4GU8>

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



Dec 12, 2021

Muhammad Sajid IQBAL

has successfully completed

AWS Cloud Technical Essentials

an online non-credit course authorized by Amazon Web Services and offered through Coursera

Morgan Willis
Senior Cloud Technologist
AWS Training and Certification

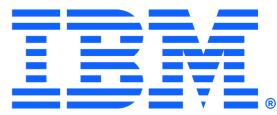
Senior Cloud Technologist
AWS Training and Certification

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/9PMP5GNTA5DT>

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



May 8, 2023

Muhammad Sajid IQBAL

has successfully completed

Introduction to Cybersecurity Tools & Cyber Attacks

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

Rav Ahuja
Global Program Director
IBM Skills Network

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/9TXWVBTLMTDT>

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



KENNESAW STATE
UNIVERSITY

Jun 3, 2023

Muhammad Sajid IQBAL

has successfully completed

The Foundations of Cybersecurity

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

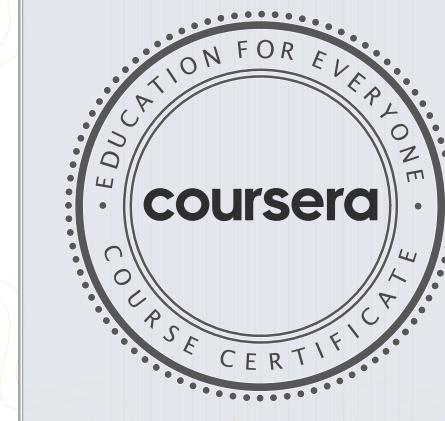
A handwritten signature in black ink, appearing to read "Herb J. Mattord".

Herbert J. Mattord, Ph.D., CISM, CISSP, CDP
Professor of Information Security
Department of Information Systems and Security

A handwritten signature in black ink, appearing to read "Michael Whitman".

Michael Whitman, Ph.D., CISM, CISSP
Professor of Information Security
Information Systems

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/66BA5RZNFFP6>

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



KENNESAW STATE
UNIVERSITY

Nov 12, 2020

Muhammad Sajid IQBAL

has successfully completed

Six Sigma Principles

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

*Bill Bailey
David Cook* *Gregory Wiles
Christina R. Scherrer*

Bill Bailey, PhD; Gregory L. Wiles, Ph.D., P.E.;
David Cook PhD; Christina R. Scherrer, PhD
Kennesaw State University

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/75UWNCU4T8J6>

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



JOHNS HOPKINS
UNIVERSITY

Apr 25, 2021

Muhammad Sajid IQBAL

has successfully completed

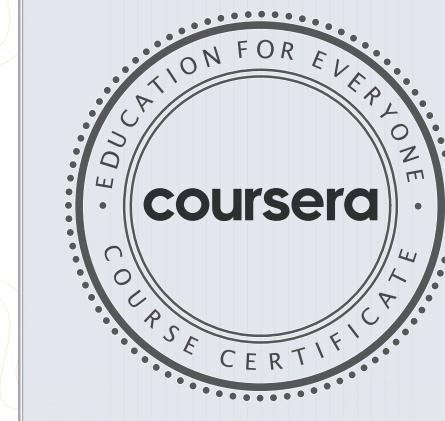
HTML, CSS, and Javascript for Web Developers

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

Yaakov C.

Yaakov Chaikin
Adjunct Professor, Graduate Computer Science
Whiting School of Engineering
Johns Hopkins University

COURSE CERTIFICATE



Verify at:

coursera.org/verify/77PH6475MWGZ

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

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RICE UNIVERSITY

Apr 3, 2022

Muhammad Sajid IQBAL

has successfully completed

Python Data Analysis

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

Scott Rixner
Professor
Dept. of Computer Science
Rice University

Joe Warren
Professor
Dept. of Computer Science
Rice University

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/ADAVYNCPPC6>

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



KENNESAW STATE
UNIVERSITY

Jun 21, 2023

Muhammad Sajid IQBAL

has successfully completed

The GRC Approach to Managing Cybersecurity

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

A handwritten signature in black ink, appearing to read "Herb J. Mattord".

Herbert J. Mattord, Ph.D., CISM, CISSP, CDP
Professor of Information Security
Department of Information Systems and Security

A handwritten signature in black ink, appearing to read "Michael Whitman".

Michael Whitman, Ph.D., CISM, CISSP
Professor of Information Security
Information Systems

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/AHEM8WKA5H8W>

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



JOHNS HOPKINS
UNIVERSITY

Aug 10, 2020

Muhammad Sajid IQBAL

has successfully completed

Introduction to Genomic Technologies

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

A handwritten signature of Steven L. Salzberg.

Steven L. Salzberg, PhD
McKusick-Nathans Institute of Genetic Medicine
Johns Hopkins University

A handwritten signature of Jeffrey Leek.

Jeffrey Leek, PhD
Chief Data Officer, Vice President, and J Orin Edson Foundation Chair of Biostatistics in Public Health Sciences
Fred Hutchinson Cancer Center

COURSE CERTIFICATE



Verify at:
coursera.org/verify/AN8V3Z7P8294

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

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JOHNS HOPKINS
UNIVERSITY

Aug 14, 2020

Muhammad Sajid IQBAL

has successfully completed

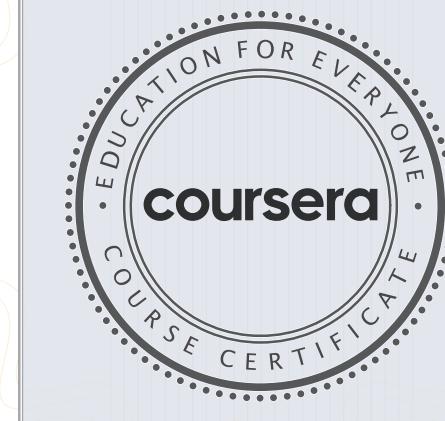
The Data Scientist's Toolbox

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

A handwritten signature in black ink that reads "Muhammad Sajid IQBAL".

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/AZDAJMU7VRGU

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UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

Jan 30, 2022

Muhammad Sajid IQBAL

has successfully completed

Introduction to Software Testing

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

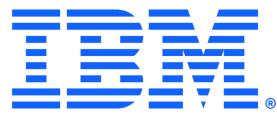
Kevin Wendt
Director of Graduate Studies, Software Engineering
Department of Computer Science and Engineering

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/BAH8SHJUAUN5>

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



Sep 26, 2021

Muhammad Sajid IQBAL

has successfully completed

Django Application Development with SQL and
Databases

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

Yan Luo

Yan Luo
Ph.D., Data Scientist and Developer

Rav Ahuja
Global Program Director,
Skills Network

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/BDHAJP4CQZMC>

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



JOHNS HOPKINS
UNIVERSITY

Sep 26, 2020

Muhammad Sajid IQBAL

has successfully completed

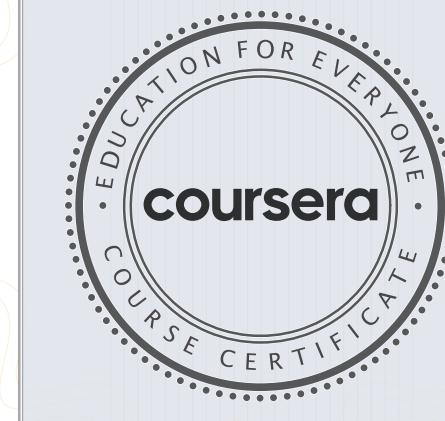
R Programming

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

A handwritten signature in black ink that reads "Muhammad Sajid IQBAL".

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/BPYRLU738M8W

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

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Oct 1, 2021

Muhammad Sajid IQBAL

has successfully completed

Application Programming Fundamentals

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

A handwritten signature in black ink that reads "Evan Bergman".

Evan Bergman

A handwritten signature in black ink that reads "Noel J. Bergman".

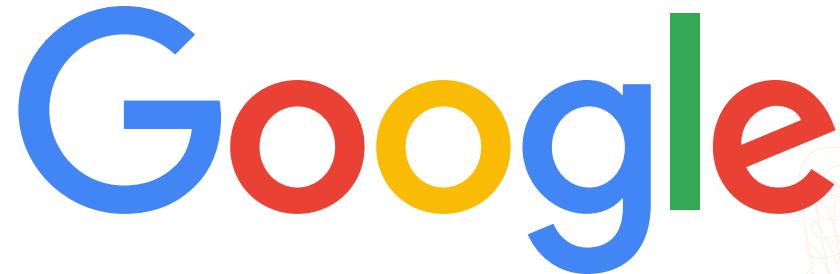
Noel J. Bergman

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/BQMEMLFA5AB7>

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



Nov 7, 2020

Muhammad Sajid IQBAL

has successfully completed

Introduction to Git and GitHub

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

Google

Google

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/CJRMWL733G3C>

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



Jul 26, 2018

Muhammad Sajid IQBAL

has successfully completed

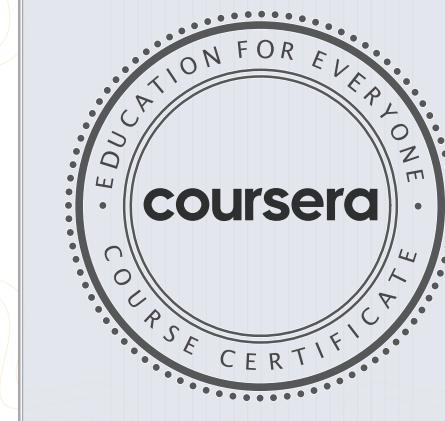
Front-End Web UI Frameworks and Tools:
Bootstrap 4

an online non-credit course authorized by The Hong Kong University of Science and Technology and offered through Coursera

A handwritten signature in black ink that reads "J. K. muppala".

Jogesh K. Muppala
Associate Professor, Department of Computer Science and Engineering
The Hong Kong University of Science and Technology

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/CL83NBWAEW9Q>

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

UC San Diego

May 24, 2021

Muhammad Sajid IQBAL

has successfully completed

Drug Discovery

an online non-credit course authorized by University of California San Diego and offered through Coursera

Williams Ettouati

Williams Ettouati, PharmD
Managing Director, Master of Science in Drug Development & Product Management
Health Sciences Associate Clinical Professor
Associate Director, Center for Drug Discovery Innovation
Director, Education Innovation Support Team
Office of The Executive Vice Chancellor
University of California San Diego,
Skaggs School of Pharmacy and Pharmaceutical Sciences

Joseph D. Ma

Joseph D. Ma, Pharm.D.
Associate Professor
Skaggs School of Pharmacy & Pharmaceutical Sciences
University of California, San Diego

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/CRY9BRAUE9J4>

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



Oct 23, 2021

Muhammad Sajid IQBAL

has successfully completed

Introduction to Relational Databases (RDBMS)

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



Lin Joyner, Rav Ahuja, Rose Malcolm, Sandip Saha Joy

COURSE CERTIFICATE



Verify at:

<https://coursera.org/verify/CTCRJ8ULZ48U>

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



Dec 12, 2021

Muhammad Sajid IQBAL

has successfully completed

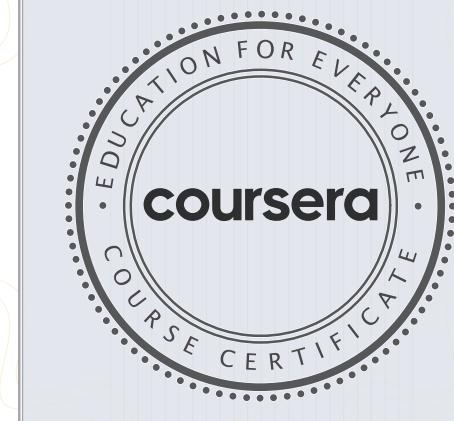
Building Web Applications in PHP

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

A handwritten signature in black ink that appears to read "Charles Severance".

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/DA86CSK6V3WY>

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



4 Courses

Introduction to Python Scripting for DevOps

Python Scripting: Dates, Classes and Collections

Python Scripting: Files, Inheritance, and Databases

DevOps and Build Automation with Python



Oct 28, 2021

Muhammad Sajid IQBAL

has successfully completed the online, non-credit Specialization

Python Scripting for DevOps

In the first course, you will learn some of the concepts of procedural programming: user input, console output, variable declaration and assignment, decision branching and iteration. The second course will introduce you to Advanced String Operations and Dates, Modeling Classes, Development of Classes and Collections. In the third course you'll learn about Files, Inheritance and external libraries. And in the final course we will look at several automation concepts in DevOps with Python.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.



Verify this certificate at:

<https://coursera.org/verify/specialization/DETCBES8AMB7>



3 Courses

Algorithms for Searching,
Sorting, and Indexing

Trees and Graphs: Basics

Dynamic Programming,
Greedy Algorithms



University
of Colorado
Boulder

Jul 30, 2023

Muhammad Sajid IQBAL

has successfully completed the online, non-credit Specialization

Foundations of Data Structures and Algorithms

Building fast and highly performant data science applications requires an intimate knowledge of how data can be organized in a computer and how to efficiently perform operations such as sorting, searching, and indexing. This specialization guides learners through the fundamentals of data structures and algorithms with a focus on data science applications. It is targeted towards learners who are broadly interested in programming applications that process large amounts of data (expertise in data science is not required), and are familiar with the basics of programming in python.

A handwritten signature in black ink that reads "Sriram Sankaranarayanan".

Sriram
Sankaranarayanan, PhD
Professor of Computer
Science
University of Colorado
Boulder

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:

<https://coursera.org/verify/specialization/DJ5FAPXDLPC1>



Jan 22, 2022

Muhammad Sajid IQBAL

has successfully completed

Interactivity with JavaScript

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

Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/ENYAWW9NJZU>

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



JOHNS HOPKINS
UNIVERSITY

Feb 5, 2022

Muhammad Sajid IQBAL

has successfully completed

Algorithms for DNA Sequencing

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

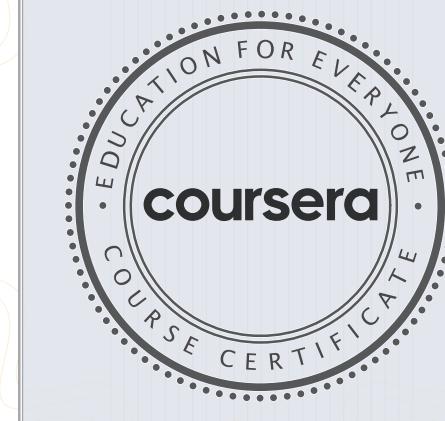


Ben Langmead, PhD
Assistant Professor
Computer Science
Johns Hopkins University

Computer Science
Johns Hopkins University



COURSE CERTIFICATE



Verify at:

coursera.org/verify/ESLB68PMXBH

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RICE UNIVERSITY

Nov 7, 2021

Muhammad Sajid IQBAL

has successfully completed

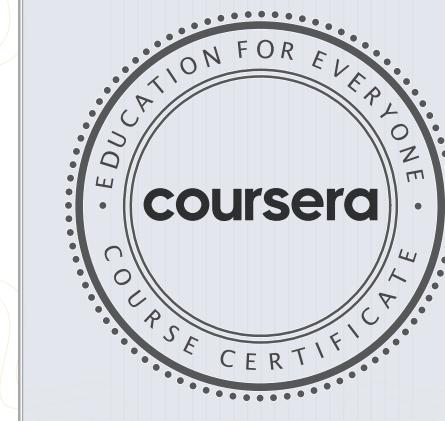
Python Programming Essentials

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

Scott Rixner
Professor
Dept. of Computer Science
Rice University

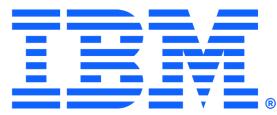
Joe Warren
Professor
Dept. of Computer Science
Rice University

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/EU7L7KZ3QJ55>

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



Dec 5, 2021

Muhammad Sajid IQBAL

has successfully completed

Introduction to Data Engineering

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

Rav Ahuja
Global Program Director,
Skills Network

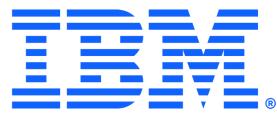
Priya Kapoor
Senior Instructional Designer & Content Developer
Skill-up Technologies

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/GE6AV6K8GUE7>

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



Oct 5, 2021

Muhammad Sajid IQBAL

has successfully completed

Developing AI Applications with Python and Flask

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

Passionate about gaining and sharing knowledge. More than a decade experienced in university-level academics. Worked on the development of multiple course modules, educational content, Data Engineering Subjects, Machine Learning designs. Doctorate-level researcher in applied AI, machine learning, and Deep learning applications.

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/HK698X7Z2YDQ>

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



Mar 27, 2022

Muhammad Sajid IQBAL

has successfully completed

Intermediate PostgreSQL

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

A handwritten signature in black ink that appears to read "Charles Severance".

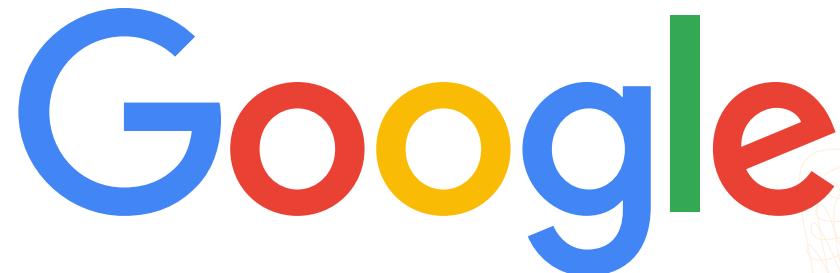
Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/HLFMKUD5QWP4>

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



Sep 24, 2020

Muhammad Sajid IQBAL

has successfully completed

Technical Support Fundamentals

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

Google

Google

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/JK3XCZH4NL4S>

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



Sep 21, 2021

Muhammad Sajid IQBAL

has successfully completed

Introduction to Structured Query Language (SQL)

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

A handwritten signature in black ink that appears to read "Charles Severance".

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/JLCXQW927VJQ>

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



Nov 23, 2021

Muhammad Sajid IQBAL

has successfully completed

Introduction to CSS3

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

Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/JVQGYLNP3DKL>

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4 Courses

Sales and CRM Overview

Lead Management in Salesforce

Opportunity Management in Salesforce

Reports, Dashboards, and Customer Success in Salesforce

Mar 12, 2022

Muhammad Sajid IQBAL

has successfully completed the online, non-credit Professional Certificate

Salesforce Sales Operations

In this Specialization, learners mastered the foundational skills in Salesforce needed to start a new career. Specifically, learners gained an overview of Sales and CRM fundamentals, managed leads in Salesforce, managed opportunities in Salesforce, effectively leveraged Salesforce data with reports and dashboards in the Sales Cloud, and optimized customer success in the Service Cloud.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.



Anthony Jones, M.S. Ed.,
Angela Prakash

Verify this certificate at:
<https://coursera.org/verify/profession-al-cert/K3FZKSQLX8XC>



Sep 17, 2021

Muhammad Sajid IQBAL

has successfully completed

Python for Data Science, AI & Development

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

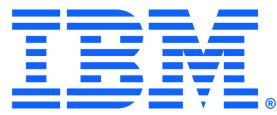
Joseph Santarcangelo
Senior Data Scientist
IBM

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/KG5G56TSYN6C>

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



Oct 6, 2021

Muhammad Sajid IQBAL

has successfully completed

Databases and SQL for Data Science with Python

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

Rav Ahuja
Global Program Director,
Skills Network

Hima Vasudevan
IBM

COURSE CERTIFICATE



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<https://coursera.org/verify/NSZ8WJSENHC>

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



JOHNS HOPKINS
UNIVERSITY

Dec 29, 2021

Muhammad Sajid IQBAL

has successfully completed

Command Line Tools for Genomic Data Science

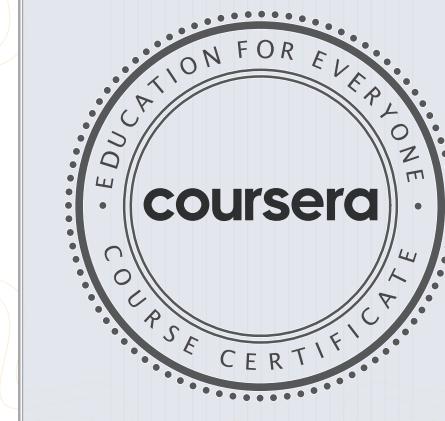
an online non-credit course authorized by Johns Hopkins University and offered through Coursera



A handwritten signature in black ink that reads "Liliana S. Florea".

Liliana Florea, PhD
McKusick-Nathans Institute of Genetic Medicine
Johns Hopkins University

COURSE CERTIFICATE



Verify at:

coursera.org/verify/P2436SGE2C5

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participation in the course.

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Feb 13, 2022

Muhammad Sajid IQBAL

has successfully completed

Advanced Styling with Responsive Design

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

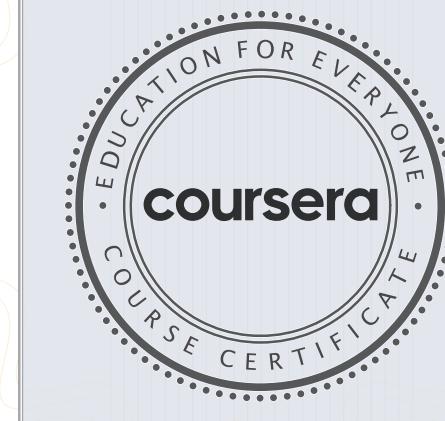
Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/R8MGHY8ZZZUE>

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



Feb 28, 2021

Muhammad Sajid IQBAL

has successfully completed

Introduction to HTML5

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

Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/S3KYM63RXMD>

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



RICE UNIVERSITY

Dec 31, 2021

Muhammad Sajid IQBAL

has successfully completed

Python Data Representations

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

Scott Rixner
Professor
Dept. of Computer Science
Rice University

Joe Warren
Professor
Dept. of Computer Science
Rice University

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/S3WMGBF2SEUA>

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



JOHNS HOPKINS
UNIVERSITY

Oct 25, 2020

Muhammad Sajid IQBAL

has successfully completed

Python for Genomic Data Science

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



Mihaela Pertea, PhD
McKusick-Nathans Institute of Genetic Medicine
Johns Hopkins University



Steven L. Salzberg, PhD
McKusick-Nathans Institute of Genetic Medicine
Johns Hopkins University

COURSE CERTIFICATE



Verify at:

coursera.org/verify/STNN8XG8Q2MM

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

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UC San Diego

Nov 28, 2021

Muhammad Sajid IQBAL

has successfully completed

Algorithmic Toolbox

an online non-credit course authorized by University of California San Diego and offered through Coursera



Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Neil Rhodes, Adjunct Faculty; Pavel A. Pevzner, Ronald R. Taylor Distinguished Professor of Computer Science, Director, NIH Center for Computational Mass Spectrometry; Daniel M Kane, Assistant Professor, Computer Science and Engineering at the University of California, San Diego

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/T4AA9ZXM889M>

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



5 Courses

Explore Core Data Concepts
in Microsoft Azure

Microsoft Azure SQL

Microsoft Azure Cosmos DB

Modern Data Warehouse
Analytics in Microsoft Azure

Preparing for DP-900:
Microsoft Azure Data
Fundamentals Exam



Sep 12, 2023

Muhammad Sajid IQBAL

has successfully completed the online, non-credit Specialization

Microsoft Azure Data Fundamentals DP-900 Exam Prep

An online program of five non-credit courses authored by Coursera and offered through Coursera. This program provides foundational level knowledge on database concepts in a cloud environment, basic skilling in cloud data services, and foundational knowledge on cloud data services within Microsoft Azure with a view to taking up roles as Data Engineers and Database Administrators.

Marni Baker-Stein

Marni Baker-Stein,
Chief Content Officer

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Verify this certificate at:

<https://coursera.org/verify/specialization/TFL6MV9T2B8P>



UNIVERSITY OF MARYLAND

Aug 25, 2023

Muhammad Sajid IQBAL

has successfully completed

Software Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Professor Michael Hicks
Department of Computer Science
and the Maryland Cybersecurity Center (MC2)
University of Maryland, College Park

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/THKFEG4AYX4U>

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



UNIVERSITY
OF LONDON

Nov 29, 2021

Muhammad Sajid IQBAL

has successfully completed

Responsive Web Design

an online non-credit course authorized by University of London, Goldsmiths, University of London and offered through Coursera

Dr Matthew Yee-King, Dr Kate Devlin, Dr Marco Gillies, Dr Mick Grierson
Computing Department,
Goldsmiths, University of London

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/TLQVGARAT7N2>

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



5 Courses

Python Basics

Python Functions, Files, and Dictionaries

Data Collection and Processing with Python

Python Classes and Inheritance

Python Project: pillow, tesseract, and opencv



Nov 29, 2020

Muhammad Sajid IQBAL

has successfully completed the online, non-credit Specialization

Python 3 Programming

This specialization teaches the fundamentals of programming in Python 3. We will begin at the beginning, with variables, conditionals, and loops, and get to some intermediate material like keyword parameters, list comprehensions, lambda expressions, and class inheritance. You will have lots of opportunities to practice. You will also learn ways to reason about program execution, so that it is no longer mysterious and you are able to debug programs when they don't work. By the end of the specialization, you'll be writing programs that query Internet APIs for data and extract useful information from them. And you'll be able to learn to use new modules and APIs on your own by reading the documentation. That will give you a great launch toward being an independent Python programmer.

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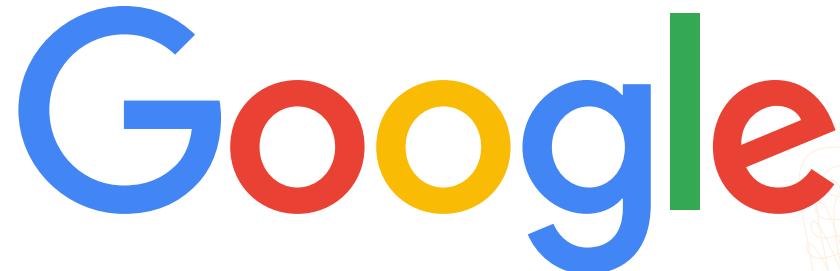
Paul Resnick Stephen Oney

Paul Resnick
Michael D. Cohen
Collegiate Professor
School of Information

A handwritten signature of Paul Resnick.

Christopher Brooks
Research Assistant
Professor
School of Information

Verify this certificate at:
<https://coursera.org/verify/specialization/UXTSC9NWSAEW>



Sep 8, 2020

Muhammad Sajid IQBAL

has successfully completed

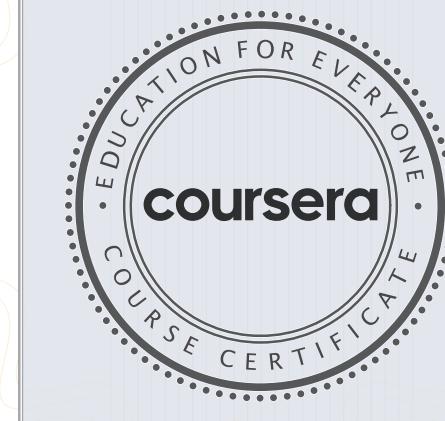
Crash Course on Python

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

Google

Google

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/V9LN3TU6BJXE>

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



Jul 22, 2022

Muhammad Sajid IQBAL

has successfully completed

Introduction to DevOps

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

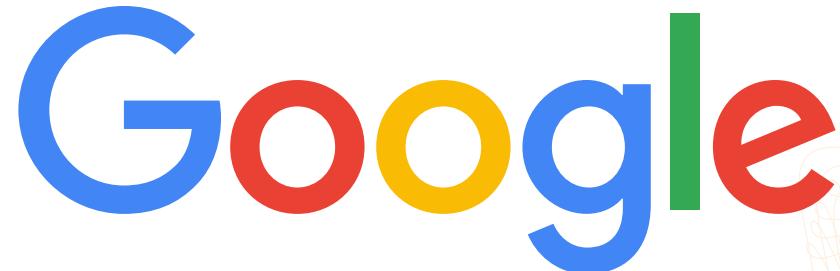
John J. Rofrano
Senior Technical Staff Member and DevOps Champion
IBM T.J. Watson Research Center

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/VGEN8GFRLO7H>

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



Sep 26, 2020

Muhammad Sajid IQBAL

has successfully completed

Using Python to Interact with the Operating System

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

Google

Google

COURSE CERTIFICATE



Verify at:

<https://coursera.org/verify/VTENS9VBV4T>

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



Oct 23, 2021

Muhammad Sajid IQBAL

has successfully completed

Object-Oriented Programming Concepts

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

Noel J. Bergman

Noel J. Bergman

COURSE CERTIFICATE



Verify at:

<https://coursera.org/verify/VVCBM4LTN99A>

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JOHNS HOPKINS
UNIVERSITY

Dec 29, 2021

Muhammad Sajid IQBAL

has successfully completed

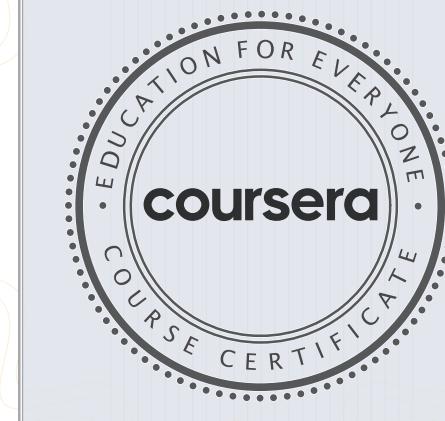
Bioconductor for Genomic Data Science

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

A handwritten signature in black ink, appearing to read "Kasper D. Hansen".

Kasper D. Hansen, Ph.D.
Assistant Professor of Biostatistics and Genetic Medicine
Bloomberg School of Public Health
Johns Hopkins University

COURSE CERTIFICATE



Verify at:

coursera.org/verify/XTJX9RMZUNT8

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4 Courses

Web Application Technologies and Django

Building Web Applications in Django

Django Features and Libraries

Using JavaScript and JSON in Django



Mar 6, 2022

Muhammad Sajid IQBAL

has successfully completed the online, non-credit Specialization

Django for Everybody

This specialization introduced Python programmers to building web sites using the Django library. Across the four courses, students learned HTML, CSS, SQL, Django, JavaScript, jQuery and JSON web services. Students built online web sites using Django that were graded throughout the four courses.. This series provides excellent preparation for learning other ways to build web applications using technologies like PHP, Flask or Ruby on Rails.

Charles R. Severance,
Clinical Professor of
Information, School of
Information

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Verify this certificate at:

<https://coursera.org/verify/specialization/XVKBQBSTLZQ>



Apr 23, 2021

Muhammad Sajid IQBAL

has successfully completed

Introduction to Social Media Marketing

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

Anke Audenaert

Anke Audenaert
CEO & Co-Founder Aptly
Adj. Professor, UCLA Anderson School of Management

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/Y4ML2R38H4BE>

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



UNIVERSITY OF MARYLAND

Jun 11, 2023

Muhammad Sajid IQBAL

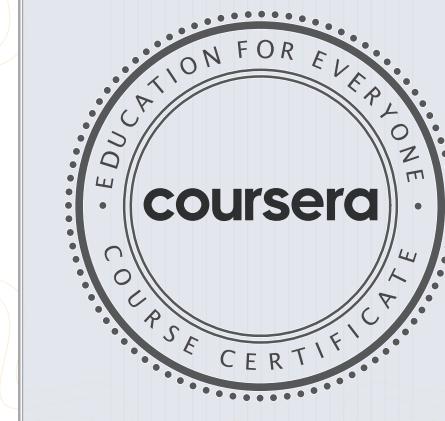
has successfully completed

Usable Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Jennifer Golbeck, Ph.D.
College of Information Studies
University of Maryland

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/YG5KH2LTHH65>

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



RICE UNIVERSITY

Oct 2, 2023

Muhammad Sajid IQBAL

has successfully completed

Global Financial Markets and Instruments

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

Arzu Ozoguz

Arzu Ozoguz
Finance Faculty
Jones Graduate School of Business

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/ZMQXR8Q33WMD>

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



University of Colorado

Boulder | Colorado Springs | Denver | Anschutz Medical Campus

Oct 2, 2020

Muhammad Sajid IQBAL

has successfully completed

Clinical Data Models and Data Quality Assessments

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

Laura K. Wiley Michael G. Kahn

Laura K Wiley, PhD
Assistant Professor
University of Colorado Anschutz Medical Campus

Michael G. Kahn, MD, PhD
Professor
University of Colorado Anschutz Medical Center

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