

PROFESSIONAL TRAINING

COURSES COMPLETED

1.INTRODUCTION TO CLOUD COMPUTING-IBM	-13 hours
2.CLOUD COMPUTING BASICS (CLOUD 101)	- 9 hours
3.WHAT IS DATASCIENCE?	- 9 hours
4.SQL FOR DATASCIENCE	- 14 hours
5.INTO TO SQL	- 3 hours
6.INTRO TO MACHINE LEARNING	- 3 hours
7.PYTHON	- 5 hours

TOTAL DURATION OF COURSES	- 56 hours
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INTRODUCTION TO CLOUD COMPUTING

ABOUT THIS COURSE

This course introduces you to the core concepts of cloud computing. You gain the foundational knowledge required for understanding cloud computing from a business perspective as also for becoming a cloud practitioner. You understand the definition and essential characteristics of cloud computing, its history, the business case for cloud computing, and emerging technology usecases enabled by cloud. We introduce you to some of the prominent service providers of our times (e.g. AWS, Google, IBM, Microsoft, etc.) the services they offer, and look at some case studies of cloud computing across industry verticals.

SKILLS YOU WILL GAIN

- Cloud Native
- Devops
- Iaas PaaS SaaS
- Hybrid Multicloud
- Cloud Computing

WHAT WE LEARN?

- Define cloud computing and explain essential characteristics, history, the business case for cloud, and the emerging technologies enabled by cloud
- _Describe the cloud service models Describe cloud service models, cloud deployment models, and cloud infrastructure
- _Create IBM Cloud account and provision an instance of cloud object storage service to host a static webpage.
- _Explain emerging Cloud related trends including HybridMulticloud, Microservices, Serverless, Cloud Native, DevOps, and Application Modernization



Jun 5, 2022

Humaira Thusneem S

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

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CLOUD COMPUTING BASICS(CLOUD 101)

ABOUT THE COURSE:

We will delve into storage services, Cloud economics, levels of managed infrastructure, and Azure services. We will also explore different deployment models of Cloud computing, as well as several hosting scenarios. Last but not least, we will compare some of the cloud platforms and discuss the future of cloud computing.

WHAT WE LEARN?

- Explain Azure Services and APIs and how they relate to Cloud computing
- Identify each of the managed services and explain the differences between them
- Understand the differences between Cloud deployment models
- Identify available Cloud Service Platforms and determine which works best for your needs

SKILL GAINED:

1. Cloud Security
2. Cloud migration and deployment
3. DevOps
4. Serverless architecture



Jun 5, 2022

Humaira Thusneem S

has successfully completed

Cloud Computing Basics (Cloud 101)

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

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Jim Sullivan
Master Trainer and Technology Practitioner

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CERTIFICATE**



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WHAT IS DATASCIENCE???

ABOUT THE COURSE:

The art of uncovering the insights and trends in data has been around since ancient times. The ancient Egyptians used census data to increase efficiency in tax collection and they accurately predicted the flooding of the Nile river every year. Since then, people working in data science have carved out a unique and distinct field for the work they do. This field is data science. In this course, we will meet some data science practitioners and we will get an overview of what data science is today.

WHAT WE LEARN?

- Define data science and its importance in today's data-driven world.*
- Describe the various paths that can lead to a career in data science.*
- Summarize advice given by seasoned data science professionals to data scientists who are just starting out.*
- Explain why data science is considered the most in-demand job in the 21st century.*

SKILLS DEVELOPED

- Data Science*
- Deep Learning*
- Machine Learning*
- Big Data*
- Data Mining*



Jun 7, 2022

Humaira Thusneem S

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What is Data Science?

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

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Rav Ahuja
Global Program Director,
Skills Network

Alex Aklonis, Ph.D.
Data Scientist

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SQL FOR DATASCIENCE

ABOUT THE COURSE:

As data collection has increased exponentially, so has the need for people skilled at using and interacting with data; to be able to think critically, and provide insights to make better decisions and optimize their businesses. This is a data scientist, “part mathematician, part computer scientist, and part trend spotter” (SAS Institute, Inc.). According to Glassdoor, being a data scientist is the best job in America; with a median base salary of \$110,000 and thousands of job openings at a time. The skills necessary to be a good data scientist include being able to retrieve and work with data, and to do that you need to be well versed in SQL, the standard language for communicating with database systems.

WHAT WE LEARN?

- Identify a subset of data needed from a column or set of columns and write a SQL query to limit to those results.
- Use SQL commands to filter, sort, and summarize data.
- Create an analysis table from multiple queries using the UNION operator.
- Manipulate strings, dates, & numeric data using functions to integrate data from different sources into fields with the correct format for analysis.

SKILLS GAINED:

- Data Science
- Data Analysis
- Sqlite
- SQL

UC DAVIS

June 1, 2022

Humaira Thusneem S

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SQL for Data Science

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



Sadia St. Lawrence
Founder of Women in Data (WID)
Instructor, Continuing and Professional Education

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INTRODUCTION TO SQL

ABOUT THE COURSE:

Course provides a basic understanding of databases, tables, as well as how to manipulate data with functions like add, edit or delete data from tables and databases. Data retrieval concepts, which includes sorting, filtering, multi-table join, sub-queries and using functions in retrieval statements are discussed in detail.

WHAT WE LEARN:

- Database Basics
- Schema
- Managing Database and Tables
- Populating Data
- Retrieving Data
- Functions
- Creating Sub-totals

SKILLS GAINED:

SQL

SQLITE



CERTIFICATE OF COMPLETION

Humaira Thusneem S

HAS SUCCESSFULLY COMPLETED THE COURSE

Intro to SQL

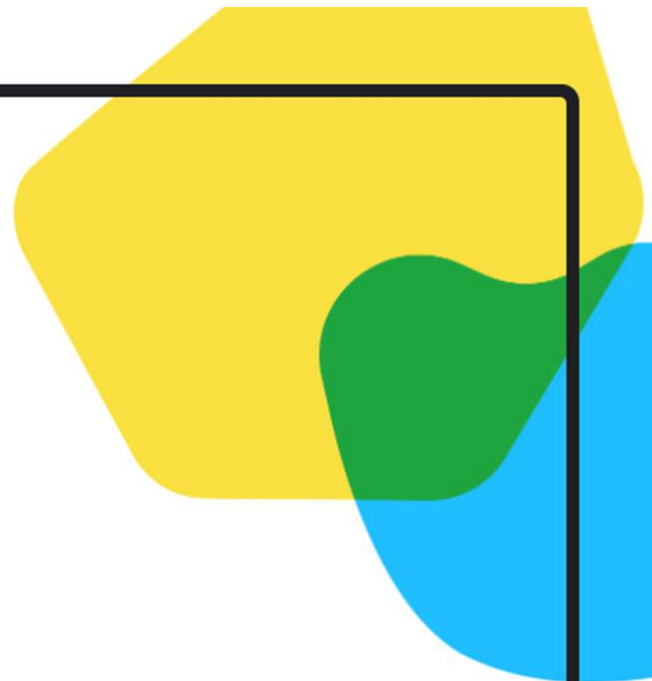
ON MAY 19, 2022

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RACHAEL TATMAN, KAGGLE INSTRUCTOR

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ALEXIS COOK, HEAD OF KAGGLE LEARN



INTRO TO MACHINE LEARNING

ABOUT THE COURSE:

Learn Data Science, Data Analysis, Machine Learning (Artificial Intelligence) and Python with Tensorflow, Pandas.

WHAT WE LEARN??

- Become a Data Scientist and get hired
- Master Machine Learning and use it on the job
- Deep Learning, Transfer Learning and Neural Networks using the latest Tensorflow 2.0
- Use modern tools that big tech companies like Google, Apple, Amazon and Facebook use

SKILLS GAINED:

Optimization techniques

Visualization



CERTIFICATE OF COMPLETION

Humaira Thusneem S

HAS SUCCESSFULLY COMPLETED THE COURSE

Intro to Machine Learning

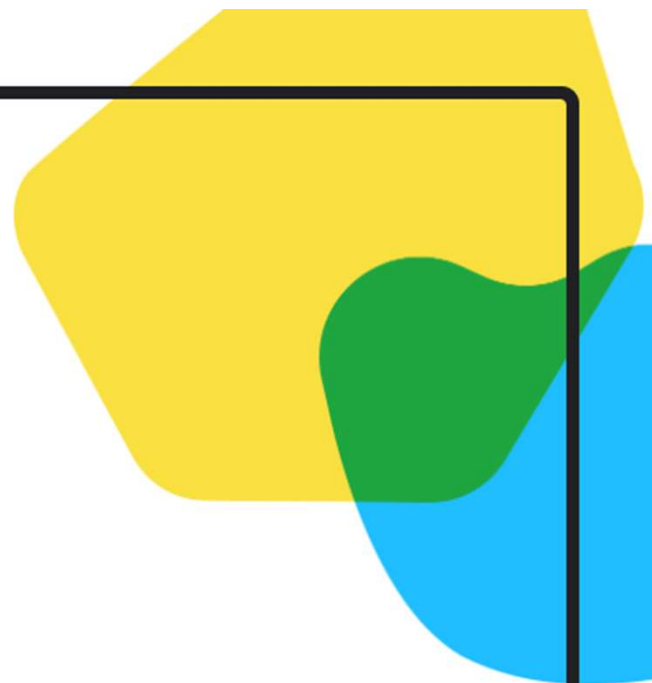
ON MAY 22, 2022

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DAN BECKER, KAGGLE INSTRUCTOR

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ALEXIS COOK, HEAD OF KAGGLE LEARN



PYTHON

ABOUT THE COURSE:

Learn Python like a Professional Start from the basics and go all the way to creating your own applications and games

WHAT WE LEARN:

- You will learn how to leverage the power of Python to solve tasks.
- You will build games and programs that use Python libraries.
- You will be able to use Python for your own work problems or personal projects.
- You will create a portfolio of Python based projects you can share.
- Learn to use Python professionally, learning both Python 2 and Python 3!
- Create games with Python, like Tic Tac Toe and Blackjack!

SKILLS GAINED:

APP DEVELOPMENT

BASIC TO ADVANCE CODE



CERTIFICATE OF COMPLETION

Humaira Thusneem S

HAS SUCCESSFULLY COMPLETED THE COURSE

Python

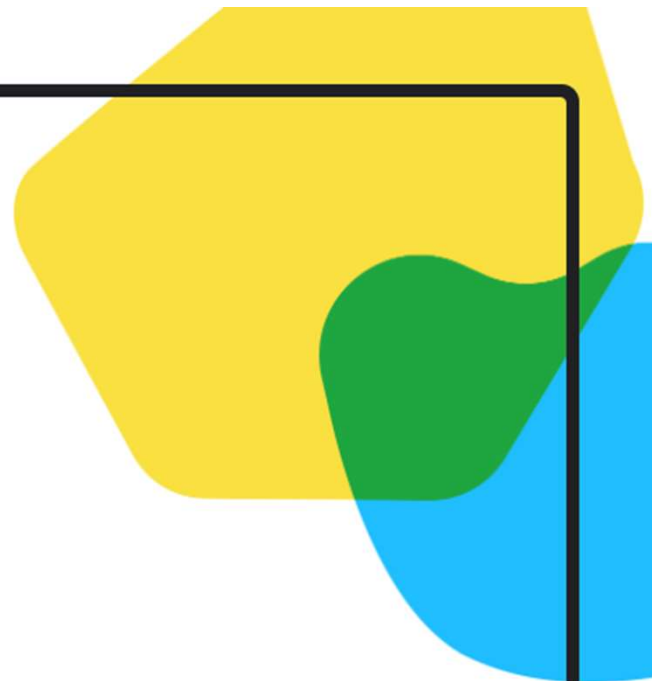
ON MAY 18, 2022

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COLIN MORRIS, KAGGLE INSTRUCTOR

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ALEXIS COOK, HEAD OF KAGGLE LEARN



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MSC BIOINFORMATICS AND DATASCIENCE