

Gurubux Singh Gill

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MTA: Introduction to Programming Using Python - Certified 2019

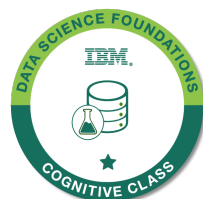
Issued by: Microsoft

Issued to: Gurubux Singh Gill

Issued on: 11 January 2019

Description

Earners of the MTA: Introduction to Programming Using Python validate the skills and knowledge to recognize and write syntactically correct Python code, recognize data types supported by Python, and the ability to recognize and write Python code that will logically solve a given problem.



Data Science Foundations - Level 1

Issued by: IBM

Issued to: Gurubux Gill

Issued on: 18 January 2019

Description

This badge earner has an understanding of the possibilities and opportunities that data science, analytics and big data bring to new applications in any industry.



Data Science Foundations - Level 2 (V2)

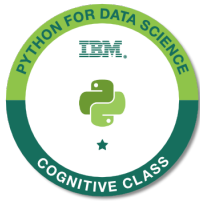
Issued by: IBM

Issued to: Gurubux Singh Gill

Issued on: 26 June 2019

Description

This badge earner has a solid understanding of data science methodologies, and tools. The individual also has a hands-on appreciation of programming languages to use in data science tasks.



Python for Data Science

Issued by: IBM

Issued to: Gurubux Gill

Issued on: 3 July 2019

Description

The badge earner is able to write their own Python scripts and perform basic hands-on data analysis using IBM's Jupyter-based lab environment.



Applied Data Science with Python - Level 2

Issued by: IBM

Issued to: Gurubux Singh Gill

Issued on: 5 July 2019

Description

This badge earner is able to code in Python for data science. They can analyze and visualize data with Python with packages like scikit-learn, matplotlib and bokeh.



Machine Learning with Python - Level 1

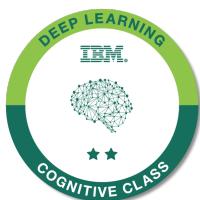
Issued by: IBM

Issued to: Gurubux Gill

Issued on: 14 July 2019

Description

The badge earner demonstrates an understanding of Supervised vs. Unsupervised Learning, applications of different types of machine learning models, and how to build and evaluate machine learning models.



Deep Learning

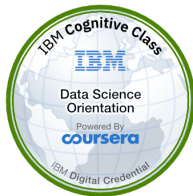
Issued by: IBM

Issued to: Gurubux Singh Gill

Issued on: 8 August 2019

Description

This badge earner understands the main concepts of Neural networks. The individual knows which network is used to tackle a problem, and can implement different shallow and deep networks with TensorFlow.



Data Science Orientation

Issued by: [Coursera](#)

Authorized by: [IBM](#)

Issued to: Gurubux Gill

Issued on: 13 August 2019

Description

This badge earner has a good understanding of why data science, artificial intelligence (AI) and machine learning are revolutionizing the way people do business and research around the world. They have general knowledge on what data science is today.



Open Source Tools for Data Science

Issued by: [Coursera](#)

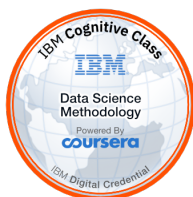
Authorized by: [IBM](#)

Issued to: Gurubux Gill

Issued on: 13 August 2019

Description

This badge earner has demonstrated their skill and understanding of how popular data science tools such as the Jupyter Notebook, RStudio, Zeppelin and Watson Studio are used, as well as the advantages and disadvantages of each tool.



Data Science Methodology

Issued by: [Coursera](#)

Authorized by: [IBM](#)

Issued to: Gurubux Gill

Issued on: 13 August 2019

Description

This badge earner has demonstrated a thorough understanding of the different stages that

constitute the data science methodology, which is instrumental to solving any data science problem.



Data Science Foundations Specialist

Issued by: Coursera

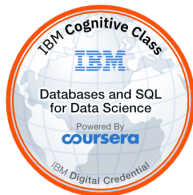
Authorized by: IBM

Issued to: Gurubux Gill

Issued on: 17 August 2019

Description

This badge earner has developed foundational skills in Data Science. The earner understands what Data Science is and knows about the various kinds of tasks that a Data Scientist performs. The individual has hands-on working knowledge of various open source Data Science tools such as Jupyter notebooks, can describe and apply the methodology and process to solve data science problems, and has an applied knowledge of working with relational databases and accessing data using SQL.



Databases and SQL for Data Science

Issued by: Coursera

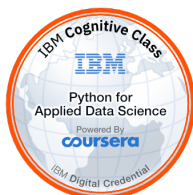
Authorized by: IBM

Issued to: Gurubux Gill

Issued on: 17 August 2019

Description

This badge earner understands relational database concepts, can construct and execute SQL queries, and has demonstrated hands-on experience accessing data from databases using Python-based Data Science tools like Jupyter notebooks.



Python for Applied Data Science

Issued by: Coursera

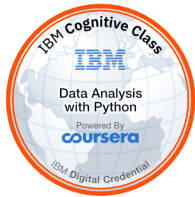
Authorized by: IBM

Issued to: Gurubux Gill

Issued on: 18 August 2019

Description

This badge earner has the core skills in Python such as critical data structures, programming fundamentals and experience with core libraries for data science. They can apply this knowledge to work with data and develop applications for data science. The individual also has sufficient Python knowledge to work with Python libraries.



Data Analysis with Python

Issued by: [Coursera](#)

Authorized by: [IBM](#)

Issued to: Gurubux Gill

Issued on: 21 August 2019

Description

This badge earner has the core skills in Data Analysis using Python. They can readily clean, visualize and summarize data using Pandas. Using Scikit-learn, the earner can develop Data Pipelines, construct Machine learning models for Regression and evaluate these models.