

Statement of Achievement

PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, provided by **Cisco Networking Academy®** in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;
- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;
- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;
- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;
- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;
- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

Aditya Awasthi

Student



Maciek Wichary
VP & CEO, OpenEDG

29 Dec 2022

Date



CERTIFICATE OF COMPLETION

Presented to

Aditya Awasthi

For successfully completing a free online course
Data Science Foundations

Provided by

Great Learning Academy

(On June 2023)



This is to certify that

Aditya Awasthi

successfully completed and received a passing grade in

Python 101 for Data Science
(PY0101EN, provided by IBM)

A course on **cognitiveclass.ai**
Powered by IBM Developer Skills Network.

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Cognitive Class

Cognitive Class

November 20, 2022

Authenticity of this certificate can be validated by going to:

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November 20, 2022