WHAT IS PYTHON?

* Python is general purpose high level interpreted language with easy syntax and dynamic semantics
* Created by Guido Van Rossum in 1989

WHY PYTHON IS POPULAR?

* Python is language preferred by beginners and pros alike
* Open source and free for everyone.
* Desktop, web and mobile applications.
* Great community who constantly make libraries for help those in read.

FEATURES OF PYTHON

* Simplicity
* Open source
* Portability
* Embeddable and extensible
* Interpreted
* Huge libraries
* Object Orientation

WHERE IS PYTHON USED IN THE HISTORY?

* GOOGLE: Better search results are provided based on ranking of websites and much more
* DROPBOX: Servers and client applications are coded using Python.
* NETFLIX: Machine Learning is used to cluster users based on their interest on shows and retain them for longer.
* NATIONAL SECURITY AGENCY (USA): Cyber Security analysis and other encryption and decryption work is done using Python.
* BIT-TORRENT: Transfer of files between peer-to-peer which started out as a normal python file.
* NASA: Scientific calculations are computed using Python.

LEARNING PATH

* PYTHON BASICS

CAREER OPPORTUINITIES

* DJANGO WEB DEVELOPMENT and Frameworks
* Game Development
* BIG DATA
* WEB TESTING
* AI / DATA SCIENCE
* SMART SERVICES