Guru Ghasidas Vishwavidyalaya

Summer Training Report

On Python fundamentals Internship

(Btech CSE VII Semester Seminar Report)

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Submitted To :

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Presented to

Gaurav Yadav

For successfully completing a free online course
Python Fundamentals for Beginners

Provided by
Great Learning Academy
(On September 2023)

Gaurav Yadav

INTRODUCTION

<u>Introduction to Python</u>

Python is an object-oriented programming language created by Guido Rossum in 1989. It is ideally designed for rapid prototyping of complex applications. It has interfaces to many OS system calls and libraries and is extensible to C or C++. Many large companies use the Python programming language, including NASA, Google, YouTube, BitTorrent, etc.

Why we should chose python::

1. **Industrial Applications** – Python is used in a wide range of fields including web development, data science, machine learning, artificial intelligence, scientific computing, and more. Recently its impact has really been felt in the fields of AI and ML, making it a high demand skill to have.
2. **Frameworks and Libraries** – Python has a large collection of frameworks and libraries, all of which make it easier to use while creating applications and help you develop projects in a shorter period of time.
3. **Compatibility** – Python is a cross platform language, meaning code that is written in one OS can be executed in another OS without any issues. This is mostly useful for developers working on web projects who would like to test the project functionality on multiple devices.
4. **Open-Source** – One of the reason why I actually like Python is that it has a vibrant open-source community. This helps make many resources available to those who want to learn