

**A
Report
on
PYTHON AND DJANGO USING WEB
DEVELOPMENT INTERNSHIP**

**Submitted in partial fulfilment of the requirement for the award
of
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE ENGINEERING**

**Submitted by:
Nagolu Chaithanya
(20103042)**

**Submitted to –
Prof. Princy Matlani,
Assistant Professor,
Department of Computer Science Engineering,
Guru Ghasidas Vishwavidyalaya**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING,
SCHOOL OF STUDIES OF ENGINEERING & TECHNOLOGY,
A CENTRAL UNIVERSITY
BILASPUR, CHHATTISGARH**

2023-2024

INTERNSHIP COMPLETION CERTIFICATE



8095733636
9606012806
www.skillvertex.com
support@skillvertex.com
Sector 6, HSR layout
Bengaluru 560102



Internship Completion Certificate

This is to certify that *Nagolu Chaitanya* has successfully completed the Python course offered by SkillVertex beginning 10th JUNE 2023 & ending 10th AUGUST 2023, which covers the fundamental concepts and applications of Python programming language.

The course covered a wide range of topics, including data types, control structures, functions, modules, file handling, and other related fields. *Nagolu Chaitanya* has demonstrated a deep understanding of these concepts and has shown an ability to apply them to real-world problems.

During the course, *Nagolu Chaitanya* actively participated in all learning activities, including lectures, discussions, assignments, and projects. [He/She] consistently demonstrated a high level of engagement and critical thinking skills, which resulted in [his/her] outstanding performance throughout the course.

As such, *Nagolu Chaitanya* has met all the requirements of the Python course and is hereby awarded this certificate of completion.

We wish *Nagolu Chaitanya* all the best in [his/her] future endeavors and hope that the knowledge gained from this course will enable [him/her] to excel in the field of Python programming.

Issued on: 10th AUGUST 2023

Dinesh Singh
Head of Human Resource
SkillVertex

OliveBoard Comptech Private Limited

L-147, 2nd floor, Laxmi Chambers, Sector 6, HSR layout, Bengaluru-560102

Introduction of Technologies Learnt

1.PYTHON

Python is a versatile and high-level programming language known for its simplicity, readability, and wide range of applications. Created by Guido van Rossum and first released in 1991, Python has gained immense popularity and is widely used for various purposes, including web development, data analysis, artificial intelligence, scientific computing, automation, and more.

Python's simplicity and readability make it an excellent choice for both beginners and experienced programmers. It uses a clear and concise syntax, relying on indentation for code structuring, which makes it easy to learn and understand. Python's readability reduces the likelihood of syntax errors, enhancing code maintainability and collaboration among developers.

Python's extensive standard library and a vast ecosystem of third-party packages make it a versatile language for a wide range of applications. For web development, frameworks like Django and Flask provide tools to build web applications, while data scientists and engineers use libraries such as NumPy, Pandas, and Matplotlib for data analysis and visualization. Machine learning and artificial intelligence projects benefit from libraries like TensorFlow, PyTorch, and Scikit-Learn.

Python is platform-independent, which means it can run on various operating systems, making it a portable language. Its compatibility with major platforms, such as Windows, macOS, and Linux, allows developers to work on different machines without significant modifications to their code.

Python's community is known for its inclusivity and collaborative nature. Developers worldwide actively contribute to open-source projects, and extensive documentation and online resources are readily available for Python learners and practitioners. Python's ease of use, extensive library support, and robust community have made it a prominent language in both education and professional software development, contributing to its enduring popularity.

Python's strength lies in its extensive standard library and a vast ecosystem of third-party packages, which make it applicable to a multitude of domains. Web developers frequently utilize frameworks like Django and Flask, while data scientists rely on libraries such as NumPy, Pandas, and Matplotlib for data analysis and visualization. In the realm of artificial intelligence and machine learning, Python shines with popular libraries like TensorFlow and PyTorch.

Python's open and collaborative community is a significant asset, with developers worldwide actively contributing to open-source projects. The language is well-documented, and there's a wealth of online resources available for learners and practitioners. Python's accessibility, extensive library support, and robust community have contributed to its sustained prominence in both educational and professional software development, making it a language of choice for a wide array of programming tasks.