

Training Day 2 Report

Date: 24 June 2025

Overview:

The second session of the AI/ML training at Sensations Software Technology focused on the concept of variables and data types in Python. Understanding these fundamentals is crucial for handling and processing data efficiently in AI and machine learning projects.

Topics Covered:

1. Variables in Python
2. Data Types in Python

Details:

Variables in Python:

Variables are used to store data. Python does not require explicit declaration of data types, as it is dynamically typed.

Example:

```
name = "Sanchya"  
age = 20  
height = 5.4
```

Common Data Types:

Data Type	Description	Example
<code>int</code>	Integer values	<code>10, -5</code>
<code>float</code>	Decimal numbers	<code>3.14, 0.99</code>
<code>str</code>	Text/string values	<code>"hello"</code>
<code>bool</code>	Boolean (True/False)	<code>True, False</code>
<code>list</code>	Ordered, mutable sequence	<code>[1, 2, 3]</code>
<code>tuple</code>	Ordered, immutable	<code>(10, 20, 30)</code>

`dict`

Key-value pairs

```
{"name":  
"Sam"}
```

Learning Outcome:

Gained a clear understanding of how variables store data in Python and how different data types are used in programs.