



DAILY WORK
REPORT
TR-02

INFOWIZ

10 JUNE 2024

Day 4: Python Basics for ML

Summary: Today's focus was on laying the groundwork with Python programming essentials tailored for machine learning applications. We covered fundamental concepts necessary to manipulate data and build machine learning models.

Key Learnings:

1. Python Basics:

- Introduced to Python as a versatile and beginner-friendly programming language widely used in data science and machine learning.
- Covered essential concepts such as variables, data types (integers, floats, strings), and basic operations (arithmetic, comparison, logical).

2. Data Structures in Python:

- Explored data structures crucial for data manipulation and analysis:
 - Lists: Ordered collection of items, mutable (can be changed).
 - Tuples: Ordered collection of items, immutable (cannot be changed).
 - Dictionaries: Unordered collection of key-value pairs, allowing fast lookup by key.

3. Functions and Control Structures:

- Learned about functions as reusable blocks of code that perform specific tasks, promoting code modularity and reusability.
- Explored control structures such as loops (for and while) for iterative operations and conditional statements (if, else) for decision-making in programs.