

# ACTIVITY LOG FOR THE INTERNSHIP

Duration	Brief description of the weekly activity	Learning Outcome	Person In-Charge Signature
1 <sup>st</sup> Week [13/03/2024 to 20/03/2024]	<u>AWARENES &amp; RECAP ON PYTHON FUNDAMENTALS</u> Overall, the first week of our internship we were primarily introduced to fundamentals of computer, programming languages types, types of translators & python's history, features, programming principles of OOP, datatypes, variables, Key words, typecasting, strings in python.	→ Computer-def, Types of programming languages & translators. → Number Systems & Conversion -s. → Python's history, features, keywords, Variables, OOP principles, Typecasting, operators, DataTypes, Strings & String Built-in functions with practicals.	
2 <sup>nd</sup> Week [21/03/2024 to 02/04/2024]	<u>AWARENES &amp; PRACTICE ON PYTHON COLLECTIONS</u> Entire second week, was totally related to definitions, operations and builtin functions of collection data types in python, we learnt how list, tuples, sets, dictionaries organize & manage data as a collection based on certain operations and functions applied on them in python.	→ List - def, operations, functions, accessing, indexing, deleting, slicing. → Tuple - def, operations, functions, accessing, indexing, deleting & slicing. → Sets - def, operations, functions, looping through, and deleting. → Dictionary - def, operation, functions, looping through & deleting.	
3 <sup>rd</sup> Week [03/04/2024 to 15/04/2024]	<u>PRACTICAL EXPOSURE ON PYTHON CORE FOUNDATIONS</u> 3 <sup>rd</sup> week of our internship was mainly focused on gaining an practical exposure on python core concepts like conditional statements, iterative statements, functions - builtin & user-defined, modules - builtin & user-defined, list comprehension, lambda - anonymous functions, Exception handling, Higher order functions	→ IF, IF-Else, IF-Elif-Else blocks, Syntax, blocking → While, For, For..in loops in looping statements, blocks, syntaxes, working. → Functions - builtin, user-defined, and functions lambda types & list comp. & list types. → Module - creation, using builtin modules like 'sys', 'os', 'math'. Higher order functions → Exception handling, order functions	