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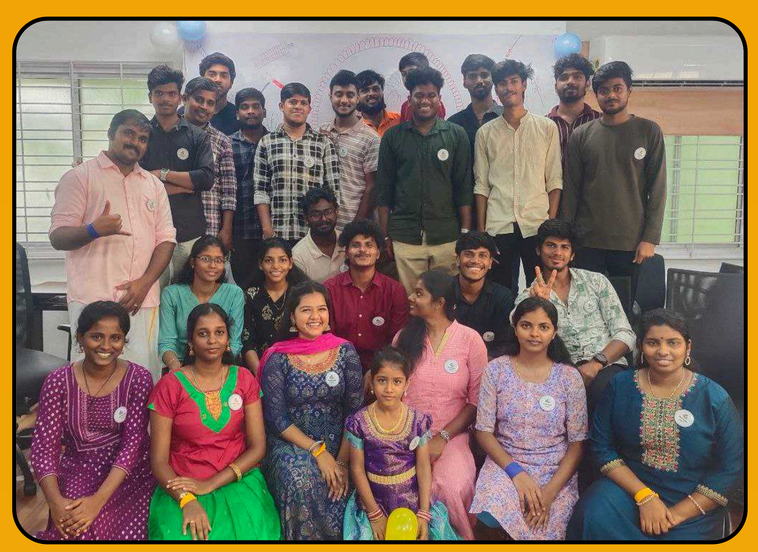

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OUR LATEST PLACEMENTS

Megha ***BE AI (2025)***

ML DATA ASSOCIATE ROLE 1

amazon

Sasireka ***MSc. CS (2025)***

ASSISTANT SYSTEM ENGINEER

TATA CONSULTANCY SERVICES

Divya Bharathi ***BE ECE (2026)***

SOFTWARE ENGINEER

nruyl

Ramya ***B.E. CSE (2025)***

DATA ANALYST

anunta

Vidhya Varshini
B E Aeronautical (2025)

WEB DEVELOPER

LUMINA DATAMATICS
WE MANAGE KNOWLEDGE

Deenadhayalan ***BSc CS (2025)***

TECHNICAL SUPPORT ENGINEER

cognizant

Dharshini E ***B.E CSE (2025)***

FULL STACK DEVELOPER INTERN

MAXX
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Vimala G ***BE ECE (2016)***

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Ramesh ***B.Com (2025)***

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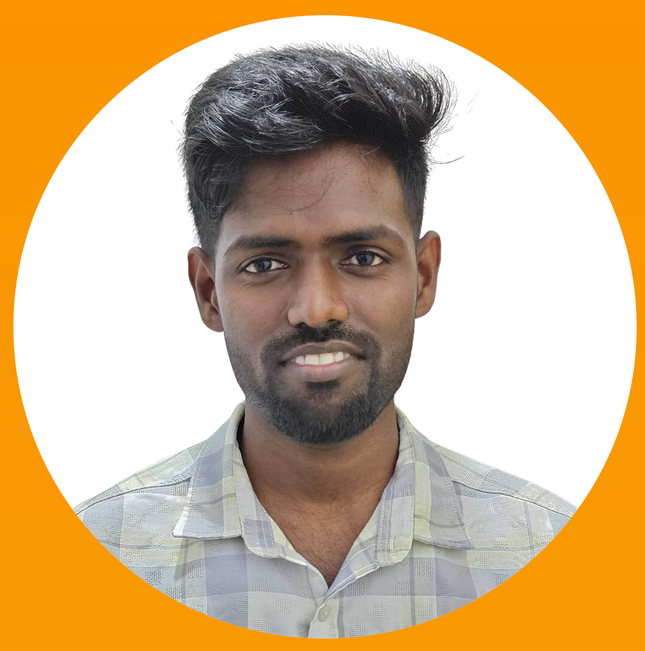
Sathish ***MSc (2023)***

SOFTWARE ENGINEER



Ranjith ***BSc Physics(2021)***

ANGULAR DEVELOPER

Bharath***MSc Maths (2021)***

ANGULAR DEVELOPER

Iyappan ***MCA (2025)***

SOFTWARE ENGINEER

Bhuvana Sri R ***B.E CSE (2025)***

SOFTWARE ENGINEER

OPTUS INTELLIGENCE

Pavithra ***MCA (2025)***

NETWORK ENGINEER

Keerthika ***MCA (2025)***

REACT DEVELOPER

Vasanth S ***B.E Mech (2021)***

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Gayathri ***BE CSE (2025)***

SOFTWARE ENGINEER

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OUR LATEST PLACEMENTS

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MSc Chemistry(2018)

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Ponvel M **BE CSE (2024)**

SOFTWARE ENGINEER

Thondrin Information Solutions

Uthaya **ME (2015)**

ANGULAR DEVELOPER

Webilesk INFOTECH

AJAY RAJA **B.Tech CSE (2025)**

DEVOPS ENGINEER INTERN

OPTIONCIRCLE

Ashok **BE ECE (2025)**

DATA ANALYST INTERN

Manikandan **B.Sc (2025)**

DATA ANALYST

Valeo

Vigneshwaralingam
B.E CSE (2025)

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Swetha.P **B.Sc CS (2025)**

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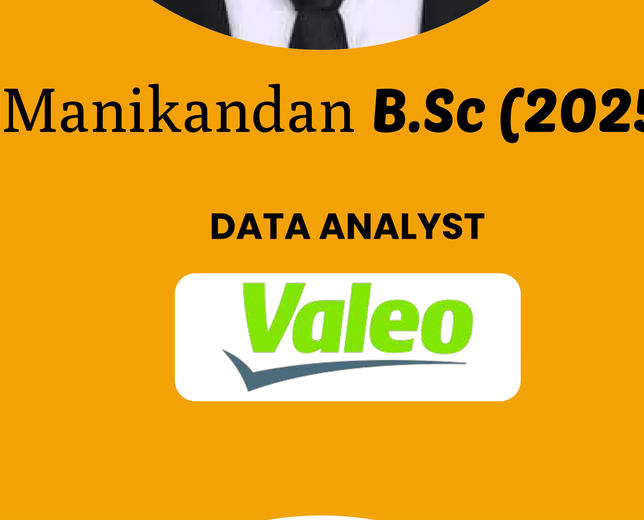

Kavya S **BE CSE (2025)**

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PYTHON

Module 1: Python Introduction, Installation

- Python Introduction
- Download Python, Installing Python
- Verify The Installation
- Install A Text Editor Or IDE (Optional)

Module 2: Data Types

- Numeric Types
- Text Type
- Boolean Type
- None Type

Module 3: Operators

- Arithmetic Operators
- Comparison Operators
- Logical Operators
- Assignment Operators
- Membership Operators
- Identity Operators

Module 4: Functions

- Function Call
- Return Statement
- Types Of Parameters - Default Parameters, Variable Length Arguments
- Variable-Length Argument Lists, Lambda Functions, Recursion

Module 5: Flow Control Statements

- **Looping Statements:** for, while
- **Conditonal Statements:** if, elif, else
- **Exception Handling:** try, except, finally
- Pass Statement

Project: *Calculator Application*

PYTHON

Module 6: List

- Creating A List
- Accessing Elements
- Slicing
- Modifying Elements
- Adding Elements
- Removing Elements
- Sorting: Bubble Sort, Searching: Binary Search

Project: *Phone Book Application*

Module 7: Tuple

- Creating A Tuple
- Accessing Elements
- Slicing
- Tuple Packing And Unpacking
- Immutable Nature

Project: *Inventory Management Application*

Module 8: Set

- Creating A Set
- Accessing Elements, Adding Elements, Removing Elements
- Set Operations
- Other Set Operations

Project: *Unique Words From A Book*

Module 9: Dictionary

- Creating A Dictionary, Accessing Values, Modifying Values
- Adding New Key-Value Pairs, Removing Key-Value Pairs
- Dictionary Operations, Nested Dictionaries

Project: *Student Management System*

PYTHON

Module 10: Package

- Creating A Package
- Importing Modules From A Package
- Importing The Whole Package
- Subpackages

Module 11: Python OOPs Introduction

- Class, Object
- Attributes And Methods
- Encapsulation
- Inheritance
- Polymorphism
- Abstraction

Project: *Employee Management System*

Module 12: Type Of Methods

- Instance Methods
- Class Methods
- Static Methods
- Special Methods (Magic Methods Or Dunder Methods)

Module 13: Exception Handling

- Try-Except Block
- Handling Specific Exceptions
- Else And Finally Blocks
- Raising And Custom Exceptions

Module 14: File Handling

- Opening, Reading, Writing From A File, Appending To A File
- Using With Statements, File Modes
- Exception Handling For File Operations, Working With Paths

Project: *CSV File Parser Application*

PYTHON

Module 15: Regular Expression

- Basics Of Regular Expressions
- Using Regular Expressions In Python

Projects:

1. *Email Validator*
2. *Mobile Number Extractor*
3. *Password Validator*

Module 16: Multithreading

- Creating Threads
- Thread Synchronization
- Thread Communication
- Daemon Threads

Module 17: Using SQLite As An Example

- Install SQLite
- Import The SQLite Library
- Connect To A Database
- Create A Cursor Object
- Execute SQL Queries
- Querying Data
- Closing The Connection

Module 18: Decorator, Generator Functions

- Generator Functions
- Decorator Functions

*****Assignments Will Be Given After Each Module*****

DATA WRANGLING (CLEANING)

Module 1: Introduction To Pandas And NumPy

- What Is Data Wrangling?, Introduction To NumPy Arrays
- Introduction To Pandas Series And DataFrames
- Reading CSV/Excel/JSON Files Using Pandas

Project: *Explore A Simple Sales Dataset, Clean Null Values, And Convert It To A Report*

Module 2: Working With APIs And Databases

- What Is An API?, Fetching Data From An API (Using Requests)
- Basics Of SQL And SQLite
- Connecting Pandas With SQL (Read_sql, To_sql)

Project: *Fetch Data From OpenWeatherMap API, Clean It, And Save It To A Database*

Module 3: Multi-Dimensional Arrays With NumPy

- Creating Arrays (1D, 2D, 3D)
- Array Indexing, Slicing, Reshaping, Mathematical Operations And Broadcasting
- Aggregations: Sum, Mean, Std, Etc.

Project: *Simulate Student Marks For 3 Subjects Using A 2D Array And Calculate Averages*

Module 4: Manipulating DataFrames With Pandas

- Filtering, Sorting, Grouping
- Handling Missing Values
- Merging And Joining DataFrames
- Pivot Tables And Crosstab

Project: *Clean And Analyze A Messy Titanic Dataset Or HR Employee Dataset*

*****Assignments Will Be Given After Each Module*****

DATA VISUALIZATION

Module 1: Introduction To Data Visualization

- Importance Of Visualizing Data
- Types Of Visualizations (Bar, Line, Pie, Scatter)

Project: *Visualize Product Sales Over Months Using Bar And Line Charts (Matplotlib)*

Module 2: Matplotlib And Seaborn

- Customizing Charts (Labels, Legends, Colors)
- Multiple Plots In One Figure
- Heatmaps, Pairplots (With Seaborn)

Project: *Plot Correlation Heatmap For Student Performance Dataset*

Module 3: Power BI

- Introduction To Power BI Desktop
- Importing Data From Excel/CSV
- Creating Basic Dashboards

Projects:

- *Restaurant Sales Analysis*
- *Data Science Job Trends Analysis*
- *TN Election Results Analysis*
- *Global GDP & So On*

Module 4: Tableau

- Introduction To Tableau Public
- Connecting Data
- Building Basic Dashboards And Charts

Project: *Visualize Employee Attrition Or Sales Funnel Using Tableau*

*****Assignments Will Be Given After Each Module*****

MACHINE LEARNING AND AI

Module 1: Introduction To ML & AI

- Difference Between AI, ML, And DL
- ML Workflow (Data → Model → Prediction)
- Supervised Vs Unsupervised Learning

Project: *Use Scikit-Learn To Predict House Prices*

Module 2: Linear Regression With Scikit-Learn

- What Is Linear Regression?
- Training And Testing Data, Using Train_test_split, Fit, Predict

Projects: *Predict Student Scores Based On Hours Studied*

Module 3: Multiple & Polynomial Regression

- Multiple Regression (Multi-Variable Input)
- Polynomial Regression Using PolynomialFeatures

Project: *Predict Car Price Based On Mileage, Age, And Brand*

Module 4: Unsupervised Learning - KMeans Clustering

- What Is Clustering?, KMeans With Scikit-Learn
- Choosing The Number Of Clusters

Project: *Cluster Customers By Shopping Patterns*

Module 5: TensorFlow Or PyTorch Basics

- Introduction To Neural Networks, What Are Tensors?
- TensorFlow Vs PyTorch Overview
- Basic Model Building With PyTorch

Project: *Digit Recognition With MNIST (Simplified)*

*****Assignments Will Be Given After Each Module*****

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