



# MACHINE LEARNING

DAY – 19



The background is a dark blue gradient. On the left side, there is a vertical band of red dots that tapers off towards the center. Scattered across the entire background are various geometric shapes in different colors (red, green, purple, orange) and styles (solid, dashed, outlined). These shapes include circles, squares, triangles, and crosses. Some shapes are larger and more prominent, while others are smaller and more numerous.

# PROJECT - 4

# Calories Burnt Prediction using Machine Learning



# **INTRODUCTION**

- In a world increasingly health-conscious, understanding how many calories we burn during physical activities is essential.
- Our project leverages machine learning to provide accurate and personalized estimates of calorie expenditure using machine learning

# **Objective**

The primary objective of our Calories Burned Project is to develop a machine learning-based system that can accurately predict and estimate the number of calories an individual burns during various physical activities.

# **Action**

- data collection
- data preprocessing and analysing
- train test split
- model creation and model training
- Evaluation
- Optimization

# **About the Dataset**

- There are a total of 15,000 instances and 7 data attributes in 2 CSV files.
- The "Kaggle" archive dataset includes information about a variety of people, including their height, weight, gender, age, exercise intensity, heart rate, and body temperature.
- Exercise data is obtained from the "exercise.csv" and "calories.csv" datasets.
- In addition, the target class mapped by the user ID from the second calorie dataset includes the calories that person burned in the exercise dataset.



# THANK YOU

