



MACHINE LEARNING CONTENT

1.Introduction to Machine Learning

- **What is Machine learning?**
- **Applications of ML**
- **AI vs ML**
- **Types of ML**
- **Python Libraries for ML**
- **Data Collaboration**
- **Terminology**

2.Supervised Learning

- **Features**
- **Metrics of Performance**
- **Machine Learning Algorithms**
 - **Classification**
 - **K Nearest Neighbors**
 - **Naive Bayes Algorithm**
 - **Logistic Regression**
 - **Support Vector Machines**
 - **Linear Regression**

3.Unsupervised Learning

- **Features**
- **Machine Learning Algorithms**
 - **Clustering**
 - **K-Means Clustering**
 - **Hierarchical Clustering**
 - **Principle Component Analysis**
 - **Apriori algorithm**
 - **Anomaly Detection**
 - **Dimensionality Reduction**

4.Reinforcement Learning

5.Machine Learning Process Model

6.Project

- **Heart Disease Prediction or something similar**