

UPLIFT Team Ai-10

The Curriculum for 3 Months are as follows:

1 Month

1 Week:

What is ML?, Need of ML?
Applications of ML?, How to implement ml ?
What are the libraries necessary for ML?
Getting started with Numpy, Pandas

2nd week:

Data exploration with Pandas
Visualization with Matplotlib
Exploratory Data Analysis

3rd week:

Data cleaning
Feature importance/ Feature Selection
Feature engineering
Introduction to ML algorithms : Linear regression

4th Week:

Decision tree
Naive bayes
SVM

Month 2

5th Week:

Ensemble learning
Evaluation Metrics
Training and tuning models

6th Week:

Clustering
Kmeans
Dimensionality reduction

Project Commencement

7th Week:

Data Collection, Preprocessing of data, EDA of data

8th Week:

Applying ML algos on data & improving the performance of the model

Month 3

9th Week:

Intro to deployment, why deployment
what is backend and frontend?
Intro to flask, templates
Understanding the Flask framework

10th Week:

Designing the frontend
Flask forms
Flask database connection

11th Week:

Backend connection of flask
Connecting to heroku
Deploying the project

Project Domain:

Travel, Transport and hospitality

Project Title:

Identifying the loyal customers (most valuable customers) in the travel industry.

Using the past data of how customers use a service often and provide them offers to retain them, The problem statement will be in the lines of
"Predict behavior to retain customers"

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