

# Shipment Price Prediction

In this data science project, you will build a machine learning system that will be able to predict the cost of the shipment or package by using machine learning algorithms. This project will be very useful for logistics companies, where on a day-to-day basis a lot of couriers, packages, or goods are transported via different modes of transport. The main concern with these logistics companies is trying to deliver these goods in an efficient and cost-efficient way possible, so the pricing of the shipment is tricky and involves a lot of variables to consider while the pricing of the shipment. There might be scenarios where the shipment might be delayed due to some external reasons, leading to a loss for the company and a delay in delivery of the shipment. So logistics companies need to use dynamic pricing based on several factors and variables to price the shipment in such a way that there are no losses to the company and the price of the shipment is as less as possible so that customers can use their services more due to effective pricing rates.

Duration : 1 month

Language : english

Price : 15000

## What you will learn?

- Real Time Projects
- Shipment Price Prediction
- Learn about Regression model implementation
- Hyperparameter optimization
- How to work with database
- Modular coding approach for training and prediction pipeline along with FastAPI
- Learn about AWS basics
- CICD tools like Github actions
- Production-grade deployment

## Features

- Do Everything In Industry Grade Lab
- Learn As Per Your Timeline
- Hands-On Industry Real-Time Projects.
- Self Paced Learning
- Dashboard Access
- Course Materials
- Assignments

## Requirements

- System with minimum i3 processor or better
- At least 4 GB of RAM

- Working internet connection
- Dedication to learn

# Course Curriculum

## Welcome to the Course

- Course Overview
- Dashboard Introduction

## Project :- Shipment Price Prediction

- Introduction of Instructor
- Project Overview
- End Notes
- Problem Description
- Understand the application scope
- Tour to existing solution
- End Notes
- Solution Description
- Notebook Walkthrough
- Tour to Architecture diagram
- cost involved
- End Notes
- Structure overview
- Data Ingestion
- Data Validations
- Data Transformation
- Model training
- Model pusher
- Pipelines
- Frontend app design
- Tour to the cloud and Service Overview (AWS)
- IAM setup
- ECR setup
- EC2 setup
- Self hosted runner
- docker

- Conclude the project
- Assignments & External Resources