

# **Department of Information Technology**

## **MINI PROJECT REPORT**

**ON**

**The Data Science Course 2022  
(Complete Data Science Bootcamp)**

**Submitted By: Vansh Chopra**

**Roll No: 2000910130123**



**JSS Academy of Technical Education, NOIDA**

**Dr. APJ Abdul Kalam Technical University, Lucknow, U.P**

## **Session 2022-23**

### **OBJECTIVES:**

The learning outcomes of this course are:

- To build an end-to-end real world machine learning project
- To learn how to implement various methods of Python libraries
- To learn how to deal with raw data containing missing data points
- To apply dimensionality reduction on huge datasets
- To learn about removal of outliers or data errors
- To use train dataset to fit the model and test dataset for evaluation
- To apply various models on our dataset and selecting the best one
- To use a better evaluation technique for our model
- To save the model using joblib
- To use our model for predictive analysis

### **LEARNING OUTCOMES:**

The learning outcomes of this course are:

- Learnt the implementation of numpy, pandas, sklearn, matplotlib and seaborn
- Learnt the skill to analyze huge dataset
- Learnt to apply various techniques used in data preprocessing
- Learnt to select the best model for our project based on cross validation
- Learnt to create a pipeline to automate the model
- Learnt to save and use the model with joblib

## **UTILITIES OF MINI PROJECT:**

This internship allows me to

- Build real-world experience that enables me to put everything I have learnt into action
- Strengthen those skills required for building a machine learning model
- Give me an edge in the job market since machine learning is required in every field
- Develop and refine skills
- Gain confidence in working on real world projects
- Improve my problem-solving skills
- Explore career path as a data scientist
- Build machine learning models confidently
- Build a strong resume
- Discover what I am really interested in
- Be more passionate and self-disciplined
- Work independently and never waits to be told what to do
- Get a good placement

## CERTIFICATE OF COMPLETION:



Certificate no: UC-ee2c1d79-b808-48b8-a274-cbaf461146bc  
Certificate url: ude.my/UC-ee2c1d79-b808-48b8-a274-cbaf461146bc  
Reference Number: 0004

CERTIFICATE OF COMPLETION

# The Data Science Course 2022: Complete Data Science Bootcamp

Instructors **365 Careers, 365 Careers Team**

**Vansh Chopra**

Date **Nov. 21, 2022**  
Length **30 total hours**