

Summer Internship Report

Submitted

by

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DATA SHEET

Roll Number	:	AP19110010459
Name of the student	:	P. Dheeraj
Branch & Section	:	CSE C
Batch	:	2019-2023
Type of internship	:	Industrial Training
Company Name/Institute Name	:	Andhra Pradesh State Skill Development Corporation (APSSDC)
Company/Institute Website	:	https://www.apssdc.in/home/homepage
Start Date (MM/DD/YYYY)	:	06/07/2021
End Date (MM/DD/YYYY)	:	07/13/2021
Duration (No. of days)	:	32
Status of the internship	:	Completed.
Name of internship mentor (SRM Faculty)	:	Dr. Manjula R
Signature of the student	:	<div style="text-align: center;"> <hr/></div>

ACKNOWLEDGEMENT

I consider myself highly privileged to have an opportunity to do an internship with APSSDC. At the very outset, I would like to thank my University, SRM AP, Andhra Pradesh, for giving me this opportunity.

The internship opportunity I had with APSSDC paved a way for better learning and skill development. I consider myself very lucky and blessed to be a part of this prestigious program. I am also grateful for having a chance to meet so many wonderful people and professionals who trained me and led me through this internship period. Here, I would like to specially thank Dr Manjula mam, for guiding me through the project. It is indeed with great pleasure and immense sense of gratitude that I acknowledge the help of these individuals. I would also like to thank my parents, friends and my classmates who have helped me with their valuable suggestions and guidance throughout the internship.

P. Dheeraj

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I. INTRODUCTION:

APSSDC is a unique organization formed to promote skill development & entrepreneurship for youth in the state of Andhra Pradesh. They offer several internship courses for the students studying in the State of Andhra Pradesh to improve skills in them. One of those courses offered by them is “Data Science Using Python Online Internship”. This course, focuses on the development of knowledge on the concepts of basic python programming, data analysis using python, and machine learning.

II. OBJECTIVE OF THE INTERNSHIP:

The main objective of this internship is to enhance our skills on data analysis and machine learning using python. It is primely focussed on teaching students on how to handle data in real life using python programming language.

III. SKILLS ACQUIRED THROUGH THE INTERNSHIP:

This internship develops skills in basic python programming, data analysis and machine learning concepts. Some of the main concepts learnt under this program are:

- > modules,*
- > functions,*
- > Object Oriented Programming covered in basic python.*

In data analysis, concepts like

- > file handling using pandas,*
- >handling data from csv files and*
- >plotting the data in the form of graphs using Matplotlib, seaborn are covered.*

In machine learning concepts like

- >logistic regression,*
- > random forest model,*
- >KNN classifier,*
- >support vector classifier,*

->Polynomial regression,
->dimensionality reduction are covered.

These are some of the main concepts covered in this course.

IV. OVERVIEW OF THE PROJECT/WORK CARRIED OUT DURING INTERNSHIP:

As a part of the internship, I have done a project named “Titanic Survival Prediction”. Under this project, I have taken the ‘titanic_train.csv’ dataset, and found the accuracy of logistic regression model in predicting the survival in titanic. For that, I had initially made some data analysis, plotting that data using seaborn and matplotlib. On making some necessary changes in the dataset, I used the logistic regression model for the prediction and found its accuracy.

V. RESULTS/OUTPUT:

On using the logistic regression model, I got an accuracy of 0.82, (which is 82%). The code along with its output is saved as an ipynb file, and that ipynb file uploaded in GitHub.

Github link: <https://github.com/Dheeraj530013/Summer-Internship-Project>

VI. CONCLUSION:

“Data Science Using Python Online Internship” is a course offered by APSSDC for developing skills on Data Analysis and Machine Learning using Python. The internship program had been well planned and taught by experienced skill developers. The sessions were lively and filled with full of

enthusiasm and energy. This course, which was completed in 32 days had been successful in inculcating skills on those concepts in an understandable way.