Stanley College of Engineering & Technology for Women

Chapel Road, , Hyderabad - 500001
(Affiliated to Osmania University, Hyderabad, Approved by
AICTE,Accredited by NAAC with "A" grade,All UG Courses
Accredited by NBA)

Department of Computer Science and Engineering

Project Title: Flight Delay

Team details:CSEC015

Name	Roll Number	Year	Section
J.Rashmitha Sree	160617733141	III	Cse-c
Y.Ambica	160617733174	III	Cse-c
K.Priya	160617733303	III	Cse-c

Internal guide details: Ms. T Monika singh

External guide details: Nikhil Guram

Abstract:

For this analysis, we analyzed data that came from the US department of Transportation for commerical flight. In a particular city there can be multiple airports. If a traveller plans a visit to his/her destination then his target will be to avoid the delay at the airport which might occur because of multiple reasons like weather, traffic, maintenance delay, etc. Our solution helps traveller by providing him the airport choice that will have minimum delay for flights.

Keywords:

Year,Month,DayofMonth,DayOfWeek,DepTime,CRSDepTime,ArrTime,CRSArrTime,UniqueCarrier,FlightNum,TailNum,Origin,Dest,Distance,FlightDelayPredict.

Pre Requisites:

Coding Capabilities, Data Structures, Machine Learning Basics, opencv, email alert.

Languages used: Machine Learning.

Project domain: AI - Flight Delay Analysis.

Dataset illustration and source:

The data is taken from kaggle which is publicly available dataset on flight arrivals and departure. Data available from 1987 to 2008 but we will use most recent data due to variable availability.We will ignore data of years 1988,1999,2000... in order to avoid EI Nino which might create bias in the model. Doing all this to ensure variable consistency across entire dataset. We are finally using the dataset of 2008.Dataset contains 60 rows and 15 columns.

Algorithm used: Decision tree Classifier Algorithm, Logistic Regression

Reference:

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Computer Science Department,CS 229, Stanford University, Stanford, CA, 2012.

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Offer Letters:

From:

SmartBridge Educational Services Pvt Ltd.
Plot No 132, Above DCB bank, 2nd floor,
Bapuji Nagar, Habsiguda,
Nacharam Main Road, Hyderabad – 500076

Date: 12/03/2020.

Dear J. Rashmitha Sree,

SmartBridge Educational Services Pvt Ltd, is pleased to offer a training cum internship opportunity. During this period you would be associated with our mentors and The Smart Practice School Platform. Your internship start date will be finalised soon after discussing with you.

For further details you can contact us on +91 8499004200.

Thanks and Regards,

Ch. Jaya Prakash
Program Manager – SIP2020,
Date: 12/03/2020.

From:

SmartBridge Educational Services Pvt Ltd.
Plot No 132, Above DCB bank, 2nd floor,
Bapuji Nagar, Habsiguda,
Nacharam Main Road, Hyderabad – 500076

Date: 14/03/2020.

Dear **AMBICA YERRAVALLI,**

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Thanks and Regards,

Ch. Jaya Prakash
Program Manager – SIP2020,
Date: 14/03/2020.

From:

SmartBridge Educational Services Pvt Ltd.
Plot No 132, Above DCB bank, 2nd floor,
Bapuji Nagar, Habsiguda,
Nacharam Main Road, Hyderabad – 500076

Date: 13/03/2020.

Dear **K PRIYANKA,**

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Thanks and Regards,

Ch. Jaya Prakash
Program Manager – SIP2020,
Date: 13/03/2020.