



SUPERIOR UNIVERSITY

Name: Ahmad Omer
Subject: Programming for AI(LAB)

Class: BS-AI(4-A)
Roll No: BSAIM-F23-021


Project Report: Spaceship Titanic

Key Points

- **Handling Missing Values:** Missing data in categorical columns
 - 1.HomePlanet
 - 2.CryoSleep
 - 3.Destination
 4. VIP
- **Dropping Unnecessary Columns:** Irrelevant or highly missing columns
 - 1.RoomService
 - 2.FoodCourt
 - 3.ShoppingMall
- **Label Encoding:** Categorical data was converted into numerical form to make it usable for machine learning algorithms.

- **Model Training:** A Random Forest Classifier was trained after splitting the data into training and testing sets to ensure accuracy.
- **Outcome:** The processed dataset allowed for effective machine learning predictions in the competition.

Kaggle Submission:

1598	Ahmad Sheikh		0.64344	1	2mo
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