OLYMPICS DATA ANALYSIS AND PREDICTION SYSTEM

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I would like to thank them once again for their dedication and commitment that ensured all my concepts were cleared without which I would not be able to finish this project.

DECLARATION

This is to declare that this report has been written by me. No part of the report is plagiarized from other sources. All information included from other sources have been duly acknowledged. I aver that if any part of the report is found to be plagiarized, I shall take full responsibility for it.

Dhruv Dwivedi
(2000100100062)

CERTIFICATE

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INTRODUCTION

The Olympic Games are a prestigious international sporting event held every four years, bringing together athletes from around the world to compete in a wide range of sports. The Games have a rich history dating back to ancient Greece, where they were held in Olympia from at least 776 BCE until they were abolished in 393 CE. The modern Olympic Games were revived in the late 19th century and have since become the largest and most celebrated multi-sport event in the world.

The Olympic Games serve not only as a platform for athletic competition but also as a celebration of global unity, cultural exchange, and the pursuit of excellence in sports. They continue to captivate audiences worldwide, fostering goodwill and friendship among nations.

About Project

An Olympics data analysis and prediction system analyse historical data related to the Olympic Games, athletes, and various sporting events. This system combines data analytics, machine learning techniques to provide valuable insights into athlete performance, trends, and potential outcomes.

The goal of an Olympic data analysis and prediction system project is to leverage data-driven insights to enhance the understanding of past performances, identify patterns, and make informed predictions about future outcomes in the context of the Olympic Games.

Project Description

The Olympics Data Analysis and Prediction System is a comprehensive project aimed at analyzing historical Olympic data and predicting outcomes for future events. This system combines data analytics, machine learning techniques to provide valuable insights into athlete performance, trends, and potential outcomes.

Structure of Website

Home page

Home page includes:

- Navigation links to other page like fixture, atheletes, analysis
- Featured atheletes
- Games
- Ticket bookings

Ticket Generation

Ticket Generation includes:

- Name
- Email
- Event
- Quantity

Sign Up Page

Sign Up page includes:

- Name
- Email
- Password
- Confirm Password

Login Page

Login Page includes:

- Email
- Password

Featured Atheletes

It includes atheletes of various games like:

- Softball
- Archery
- Badminton
- Basketball
- Boxing

- Hockey
- Gymnastics

Games

It includes description of various games like:

- Archery
- Badminton
- Boxing
- Wrestling
- Tennis
- Weightlifting
- Hockey

Payment Page

- Cardholder name
- Card holder email
- Card Number
- Expiry Date
- CVV
- Payment method

Analysis

It include analysis of 120 year old data

- Medal Tally
- Overall analysis
- Country wise analysis
- Athelete wise analysis

Technologies Used

1. HTML
2. CSS
3. BOOTSTAP
4. JAVASCRIPT
5. NODE JS
6. MONGODB
7. MACHINE LEARNING
8. DATA ANALYTICS
9. STREAMLIT

MACHINE LEARNING

Machine Learning_is a branch of artificial intelligence that develops algorithms by learning the hidden patterns of the datasets used it to make predictions on new similar type data, without being explicitly programmed for each task.

Machine learning is used in many different applications, from image and speech recognition to natural language processing, recommendation systems, fraud detection, portfolio optimization, automated task, and so on. Machine learning models are also used to power autonomous vehicles, drones, and robots, making them more intelligent and adaptable to changing environments.

SCOPE OF MACHINE LEARNING

Machine learning has a vast scope, and it is used in many different fields, including healthcare, finance, retail, and many others. Its scope is increasing every day as more and more companies adopt this technology to improve their business processes.

One of the primary applications of machine learning is in data analysis. Machine learning algorithms can analyze vast amounts of data and find hidden patterns and correlations that humans would not be able to detect.

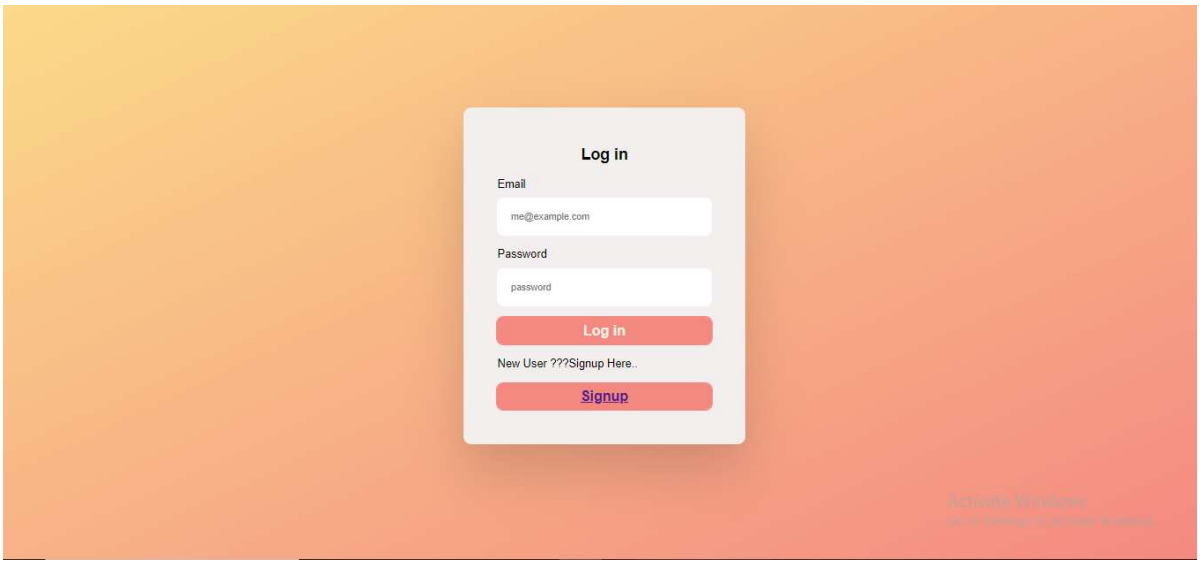
PROJECT IMPLEMENTATION

Snapshots

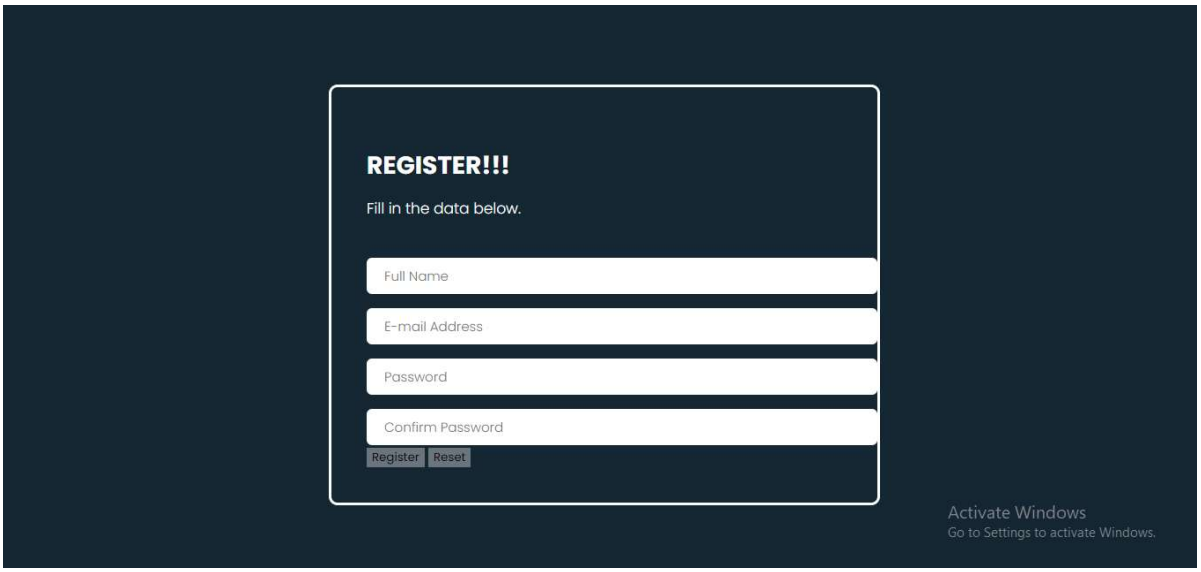
HOME PAGE

FIXTURE

LOGIN PAGE



SIGN UP PAGE



Confirmation after signup

Welcome to the Olympic Website Community! Inbox ×

sdivyanshu5561@gmail.com 11:43 AM (0 minutes ago)
to me

Dear User,
Congratulations! You have successfully signed up for our Olympic Website.
Welcome to our vibrant community where you can dive into the world of sports and stay updated on all the thrilling Olympic events. Start exploring and enjoy the journey with us!

Best regards,

Olympic Website Community

Reply Forward

ATHELETES

Softball

Ali Aguilar

Country: United State Of America

Aguilar was selected to represent the United States at the 2016 Women's Softball World Championship, where the team won the gold medal. Aguilar hit 273 in the tournament with a Home Run and 5 RBIs.

Monica Abbott

Country :United State of America

Her legendary career includes a record-setting career at Tennessee, two Olympic silver medals and four World Championships.

Valerie Arioto

Country :United States Of America

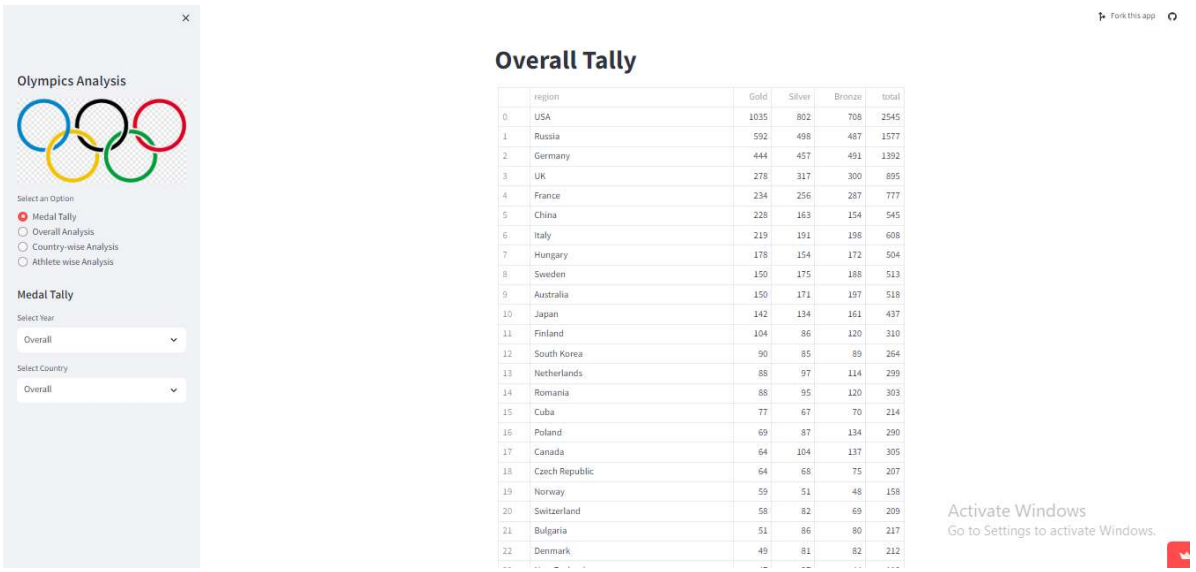
Arioto represented Team USA at the 2020 Summer Olympics and won a silver medal.Arioto recorded three hits and two walks for the team during the tournament

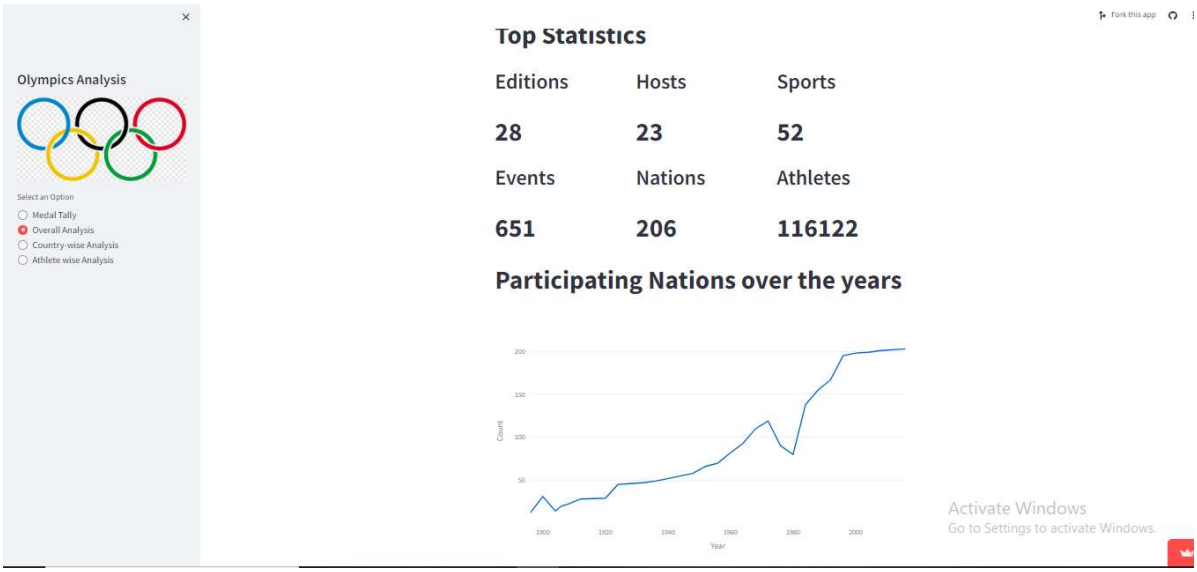
Yukiko Ueno

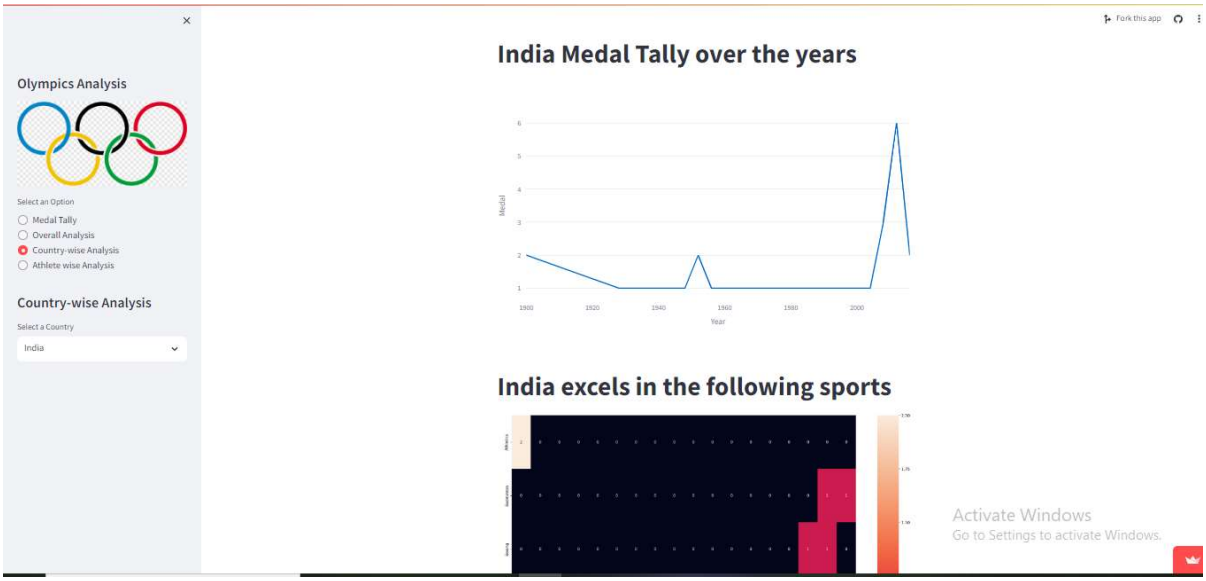
Team :Japan

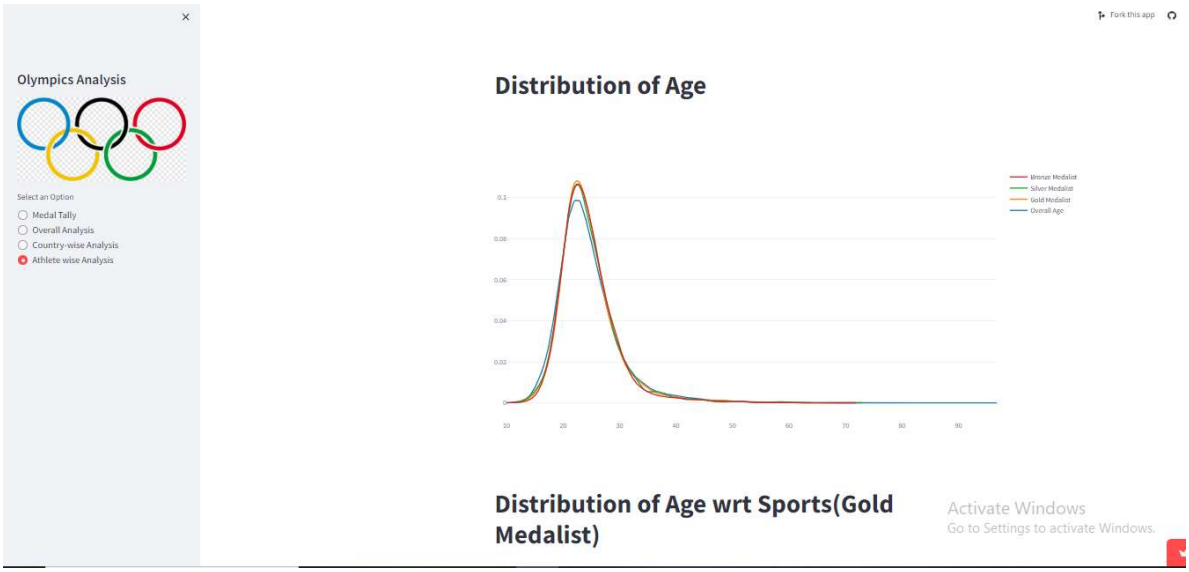
She won Gold in the 2008 Summer Olympics with her national team and Bronze in the 2004 Summer Olympics. She stands 173cm tall or 5'8".

ANALYSIS

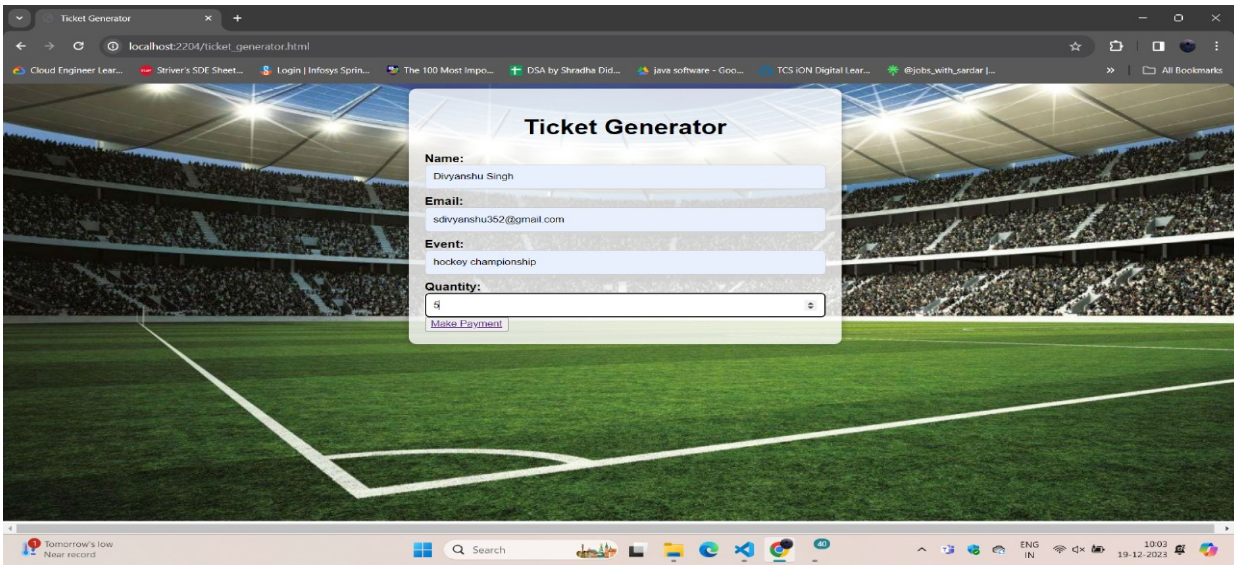

Fork this app
Olympics Analysis
Select an Option
Medal Tally
Overall Analysis
Country-wise Analysis
Athlete wise Analysis
Medal Tally
Select Year
Overall
Select Country
Overall
Overall Tally
region Gold Silver Bronze total
0 USA 1035 802 708 2545
1 Russia 592 498 487 1577
2 Germany 444 457 491 1392
3 UK 278 317 300 895
4 France 234 256 287 777
5 China 228 163 154 545
6 Italy 219 191 198 608
7 Hungary 178 154 172 504
8 Sweden 150 175 188 513
9 Australia 150 171 197 518
10 Japan 142 134 161 437
11 Finland 104 86 120 310
12 South Korea 90 85 89 264
13 Netherlands 88 97 114 299
14 Romania 88 95 120 303
15 Cuba 77 67 70 214
16 Poland 69 87 134 290
17 Canada 64 104 137 305
18 Czech Republic 64 68 75 207
19 Norway 59 51 48 158
20 Switzerland 58 82 69 209
21 Bulgaria 51 86 80 217
22 Denmark 49 81 82 212
Activate Windows
Go to Settings to activate Windows.


Fork this app
Olympics Analysis
Select an Option
Medal Tally
Overall Analysis
Country-wise Analysis
Athlete wise Analysis
Top Statistics
Editions Hosts Sports
28 23 52
Events Nations Athletes
651 206 116122
Participating Nations over the years
Count
Year
Activate Windows
Go to Settings to activate Windows.

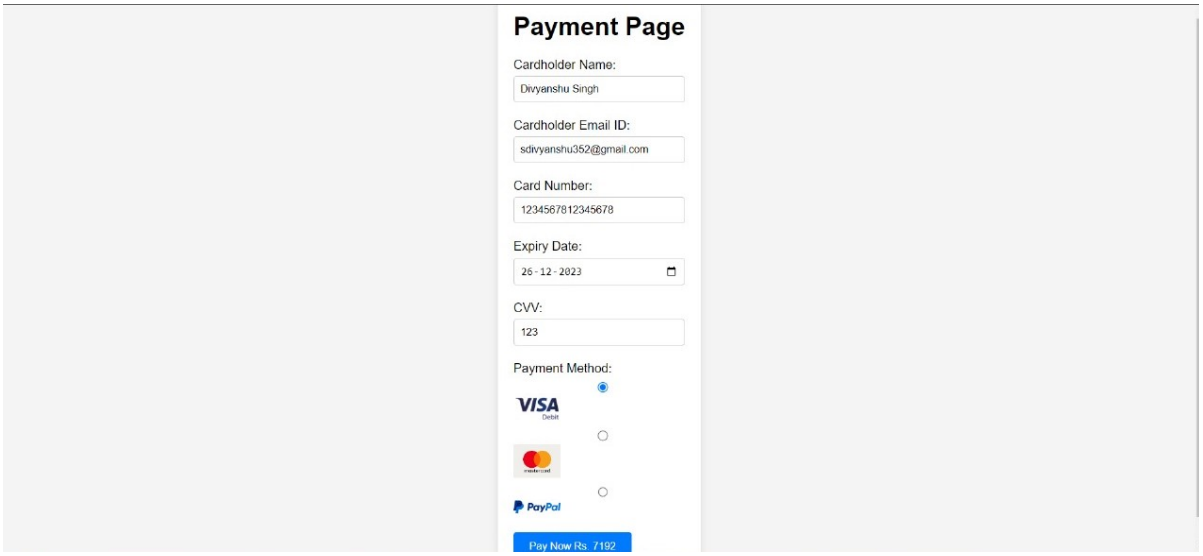

Fork this app
Olympics Analysis
Select an Option
Medal Tally
Overall Analysis
Country-wise Analysis
Athlete wise Analysis
Country-wise Analysis
Select a Country
India
India Medal Tally over the years
Medal
Year
India excels in the following sports
Activate Windows
Go to Settings to activate Windows.



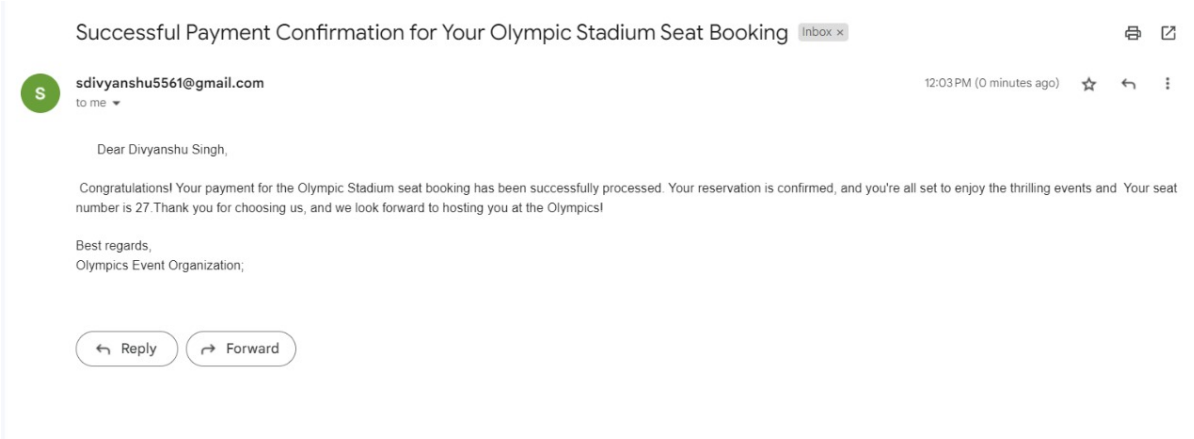
Ticket Generation Page



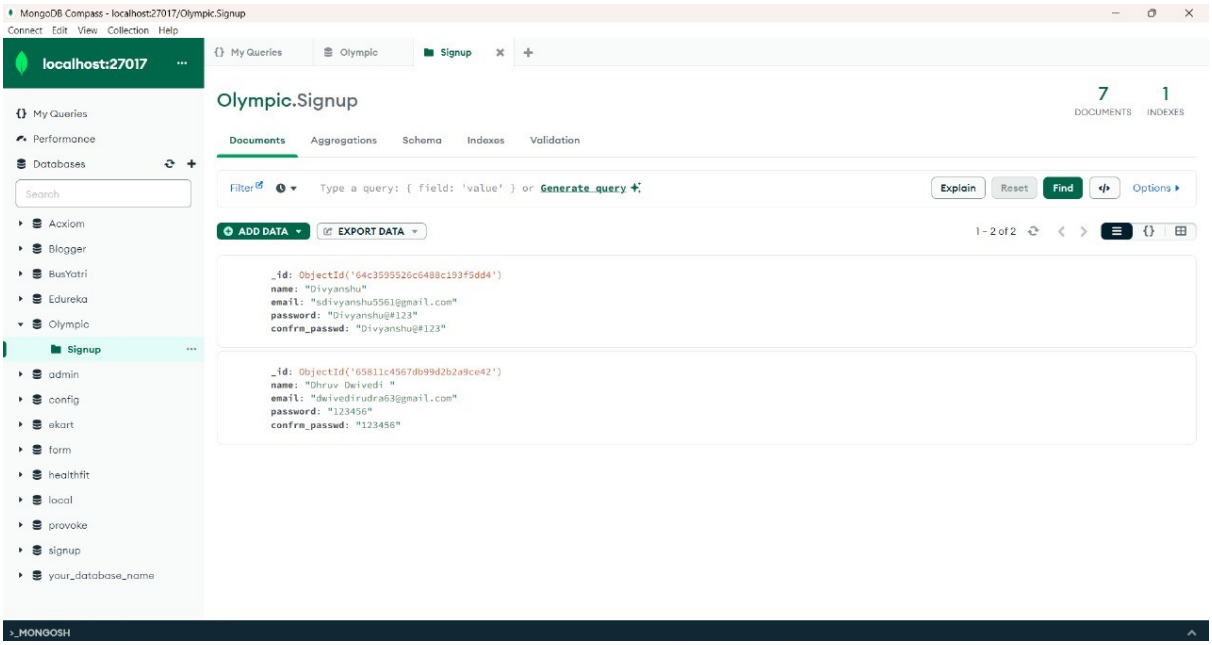
Payment Page



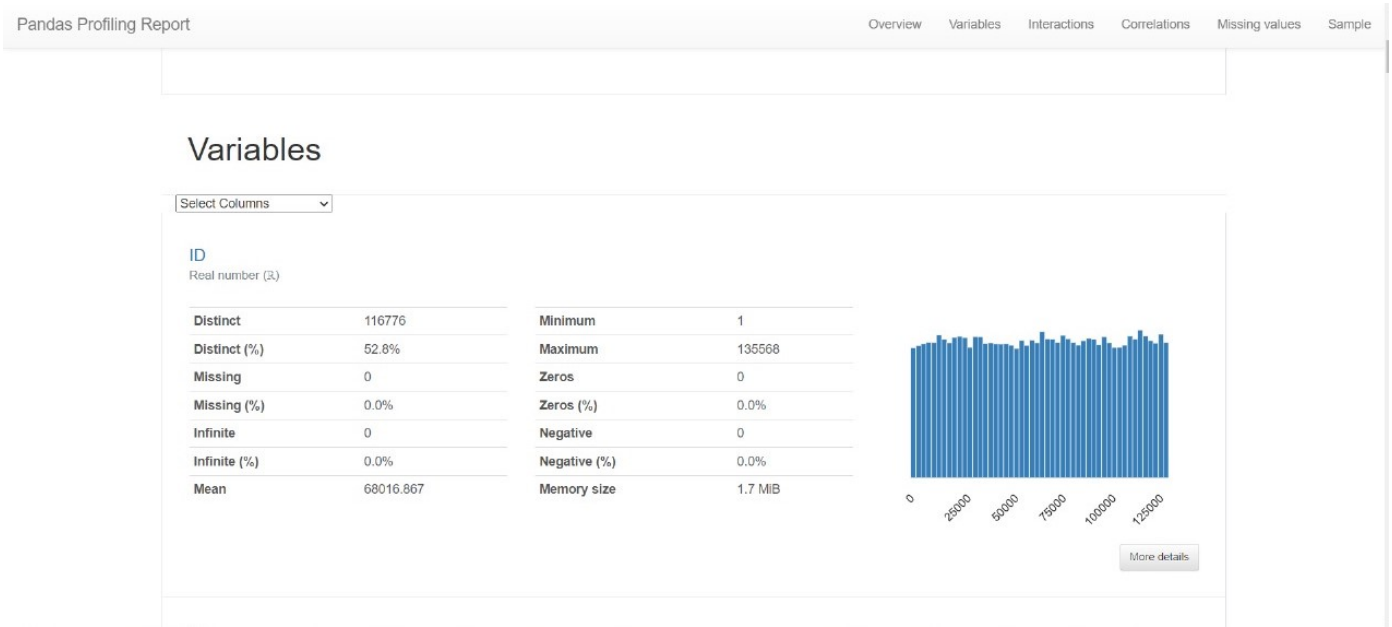
Confirmation after payment



DATABASE



PREDICTION



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LINKS

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