

IR PROJECT REPORT

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INTRODUCTION:

This project is mainly about searching about the Cricket Player and Stats about them. For implementing this, Dataset about them is directly taken from the web . Based on the query given by the user the Related documents were retrieved using a ranked retrieval algorithm and ranked retrieval algorithm is Tf-idf .

TASKS:

- 1) Search engine for the info and it gives us the details of the Particular Player in the way user wants
- 2) If a user wants to compare an individual player stats with other team then it retrieves all the related documents

TASK-1:

1) Dataset for this retrieval system has 15000 documents in the csv file.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
9	58	20*	20	28	71.42	1	1	v South Af	Centurion	#####	ODI # 383;	Oshane Th	49619		
0	59	8	8	9	88.88	1	0	v Banglad	Dambulla	#####	ODI # 385;	Oshane Th	49619		
1	60	0	0	1	0	0	0	v Banglad	Dambulla	#####	ODI # 385;	Oshane Th	49619		
2	61	2*	2	1	200	0	0	v Banglad	Colombo	#####	ODI # 385;	Oshane Th	49619		
3	62	0	0	3	0	0	0	v South Af	The Oval	03-Jun-17	ODI # 387;	Oshane Th	49619		
4	63	DNB	-	-	-	-	-	v India	The Oval	08-Jun-17	ODI # 388;	Oshane Th	49619		
5	64	26	26	34	76.47	3	0	v Pakistan	Cardiff	12-Jun-17	ODI # 388;	Oshane Th	49619		
6	65	7*	7	9	77.77	1	0	v Pakistan	Dubai (DS	13-Oct-17	ODI # 392;	Oshane Th	49619		
7	66	1	1	2	50	0	0	v Pakistan	Abu Dhab	16-Oct-17	ODI # 392;	Oshane Th	49619		
8	67	23*	23	30	76.66	3	0	v Pakistan	Sharjah	20-Oct-17	ODI # 392;	Oshane Th	49619		
9	68	DNB	-	-	-	-	-	v India	Dharamsa	#####	ODI # 393;	Oshane Th	49619		
0	69	11*	11	22	50	0	0	v India	Mohali	#####	ODI # 394;	Oshane Th	49619		
1	70	1	1	2	50	0	0	v India	Visakhapa	#####	ODI # 394;	Oshane Th	49619		
2	71	5*	5	9	55.55	0	0	v Zimbabv	Dhaka	17-Jan-18	ODI # 395;	Oshane Th	49619		
3	72	1	1	6	16.66	0	0	v Banglad	Dhaka	19-Jan-18	ODI # 395;	Oshane Th	49619		
4	73	DNB	-	-	-	-	-	v Zimbabv	Dhaka	21-Jan-18	ODI # 396;	Oshane Th	49619		
5	74	DNB	-	-	-	-	-	v Banglad	Dhaka	25-Jan-18	ODI # 396;	Oshane Th	49619		
6	75	2	2	4	50	0	0	v Banglad	Dhaka	27-Jan-18	ODI # 396;	Oshane Th	49619		
7	76	5	5	16	31.25	1	0	v South Af	Dambulla	29-Jul-18	ODI # 402;	Oshane Th	49619		
8	77	7	7	8	87.5	1	0	v South Af	Dambulla	#####	ODI # 402;	Oshane Th	49619		

2) Data was extracted from the given dataset (Batsman_Data.csv). The Data contains the total info of the players . It gives the player stats when the user searched for a player and their records. And I have Stored the inverted index using Trie data structure

Because of faster retrieval of the docs corresponding to terms And I have created max-tf for all documents.

TASK 2:

1) If a user wants to compare an individual player stats with another team then it retrieves all the related documents.

```
new
The highest number of score for this batsman is:
127.0
The highest Strike Rate for this batsman is:
300.0
The most number of 4s for this batsman is:
14.0
The most number of 6s score for this batsman is:
7.0
The highest number of score against this team is:
189.0
The highest Strike Rate against this team is:
400.0
The most number of 4s against this team is:
19.0
The most number of 6s against this team is:
14.0
PS C:\Users\saimani\Desktop\IR-end> |
```

2) Users can compare any player's runs ,strike rate,sixes,fours,highest score with another player or with another team.