AMRITA VISHWA VIDYAPEETHAM
AMRITA SCHOOL OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

B.Tech (2017 – 2021 Batch) 2019-2020-Even semester

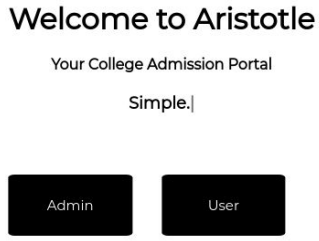
15CSE387-Open Lab Python
III CSE E Batch (VI Semester)

Online College Admission Management System

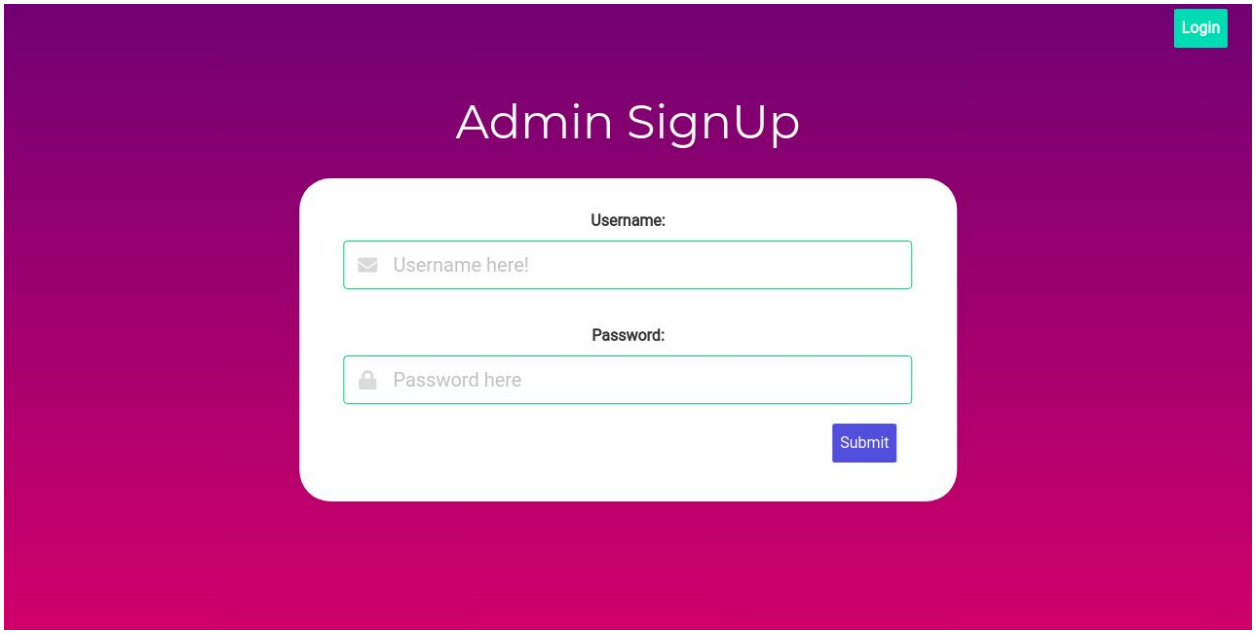
Group 1:
CB.EN.U4CSE17415 - Dhanush G A
CB.EN.U4CSE17430 - Kiran S Raj
CB.EN.U4CSE17453 - Sanjay Tharagesh R S
CB.EN.U4CSE17455 - Siddharth S
CB.EN.U4CSE17465 - T P V Krishna Teja

Project Screenshots

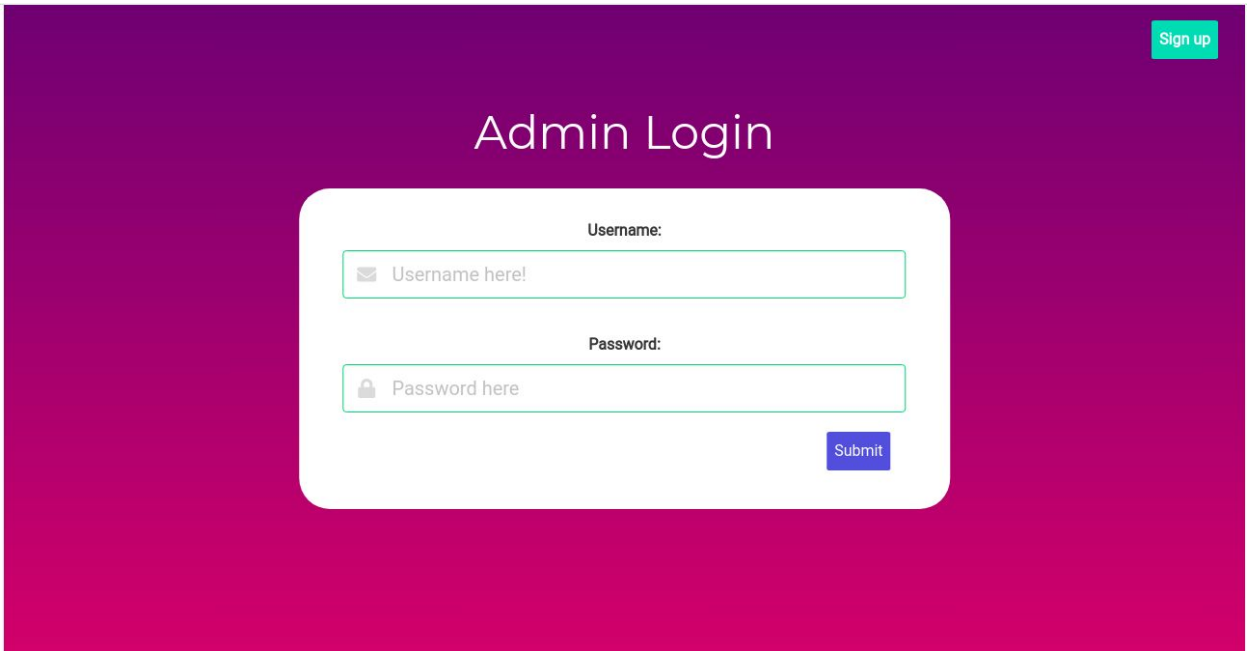
Home Page



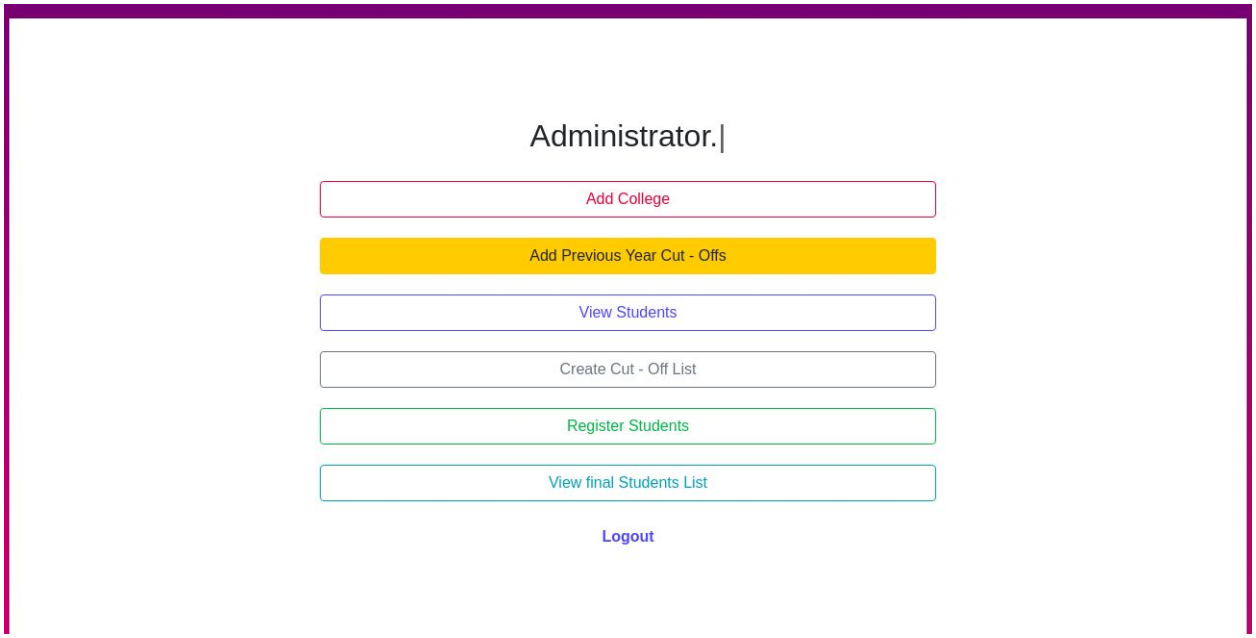
Sign Up



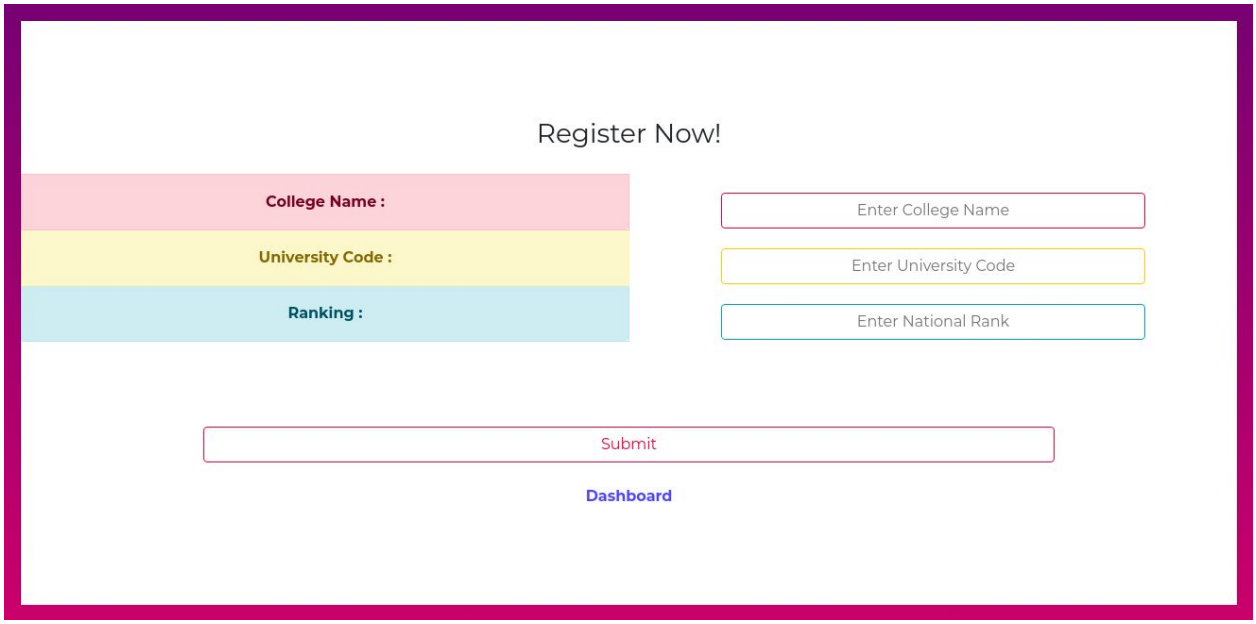
Login



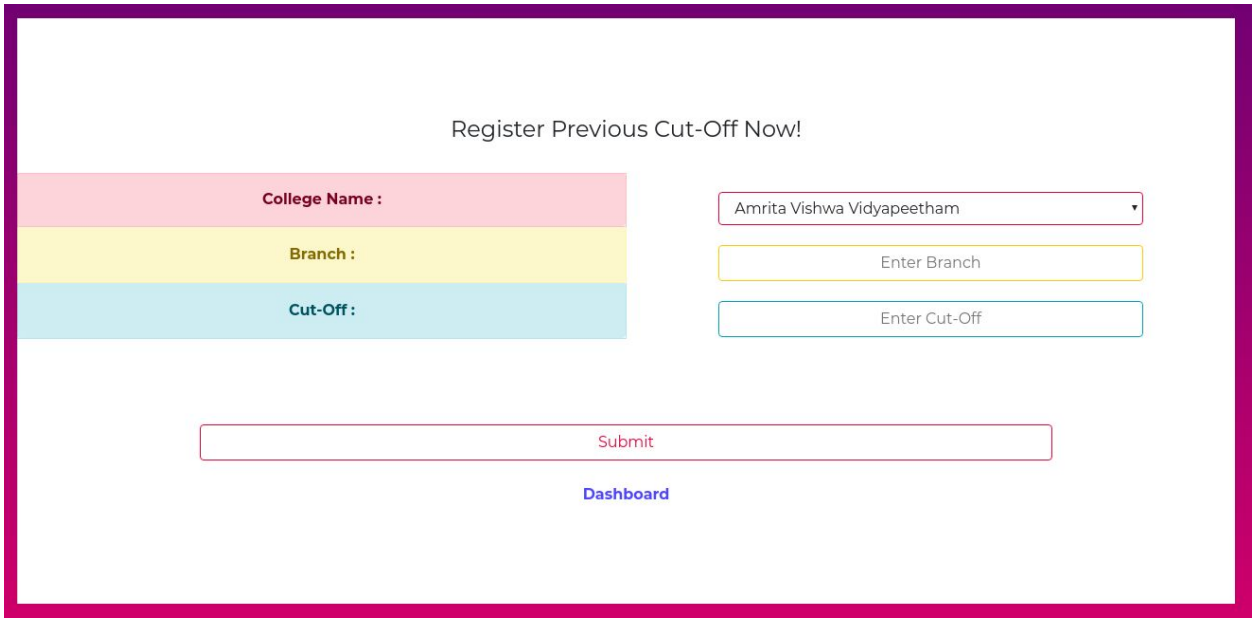
Admin - Dashboard



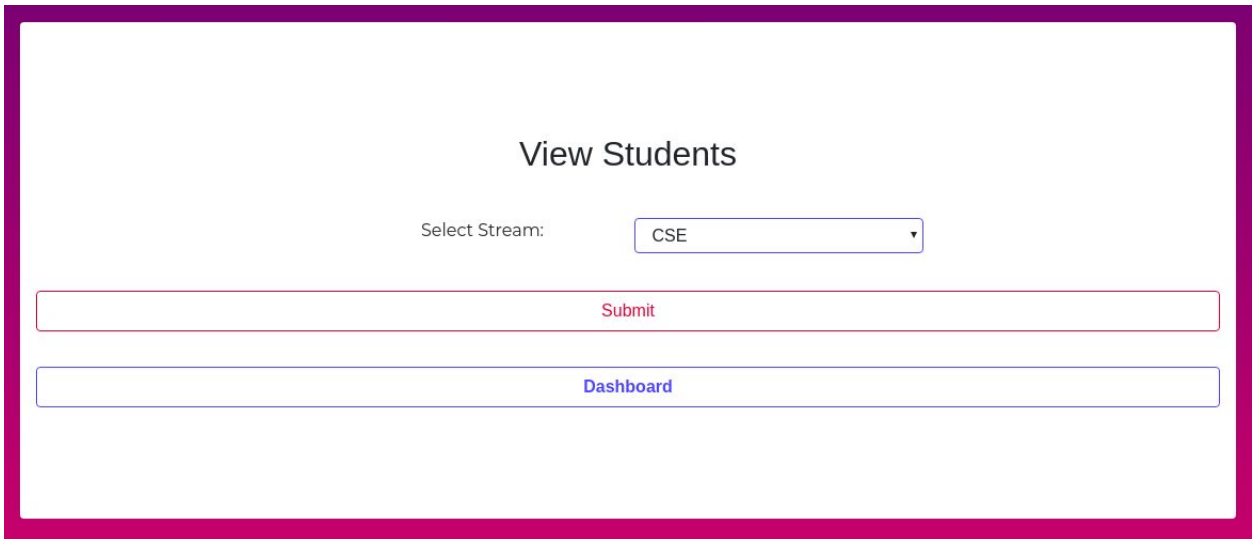
Admin - Add College



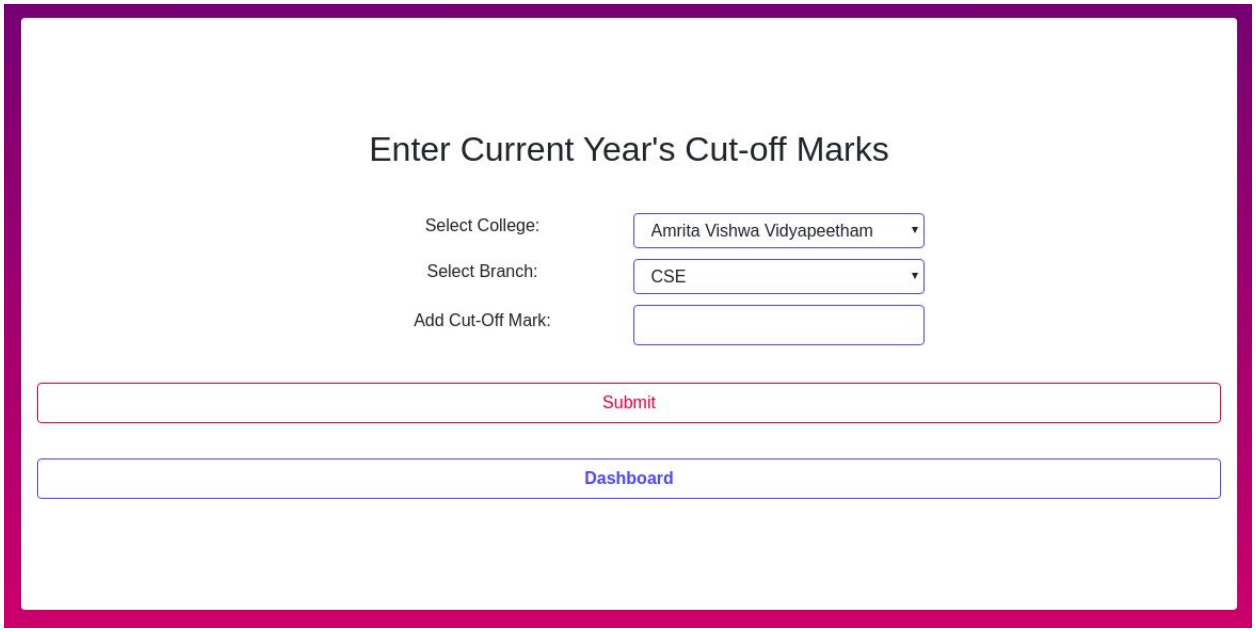
Admin - Add Cut Offs



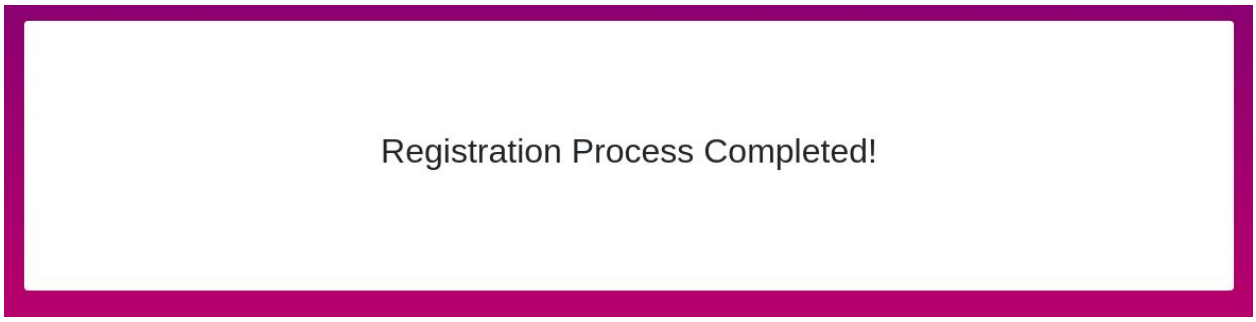
Admin - View Students



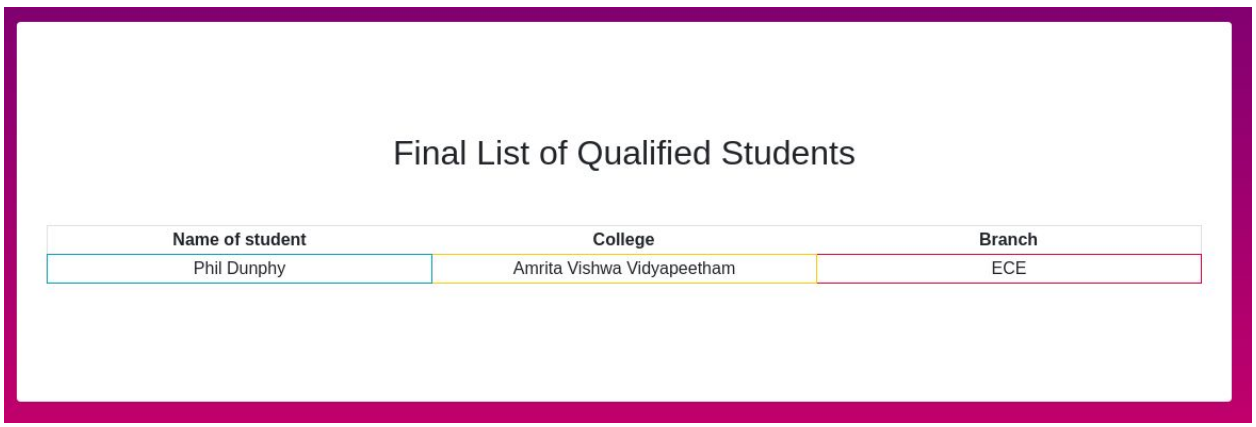
Admin - Create Cut-off List



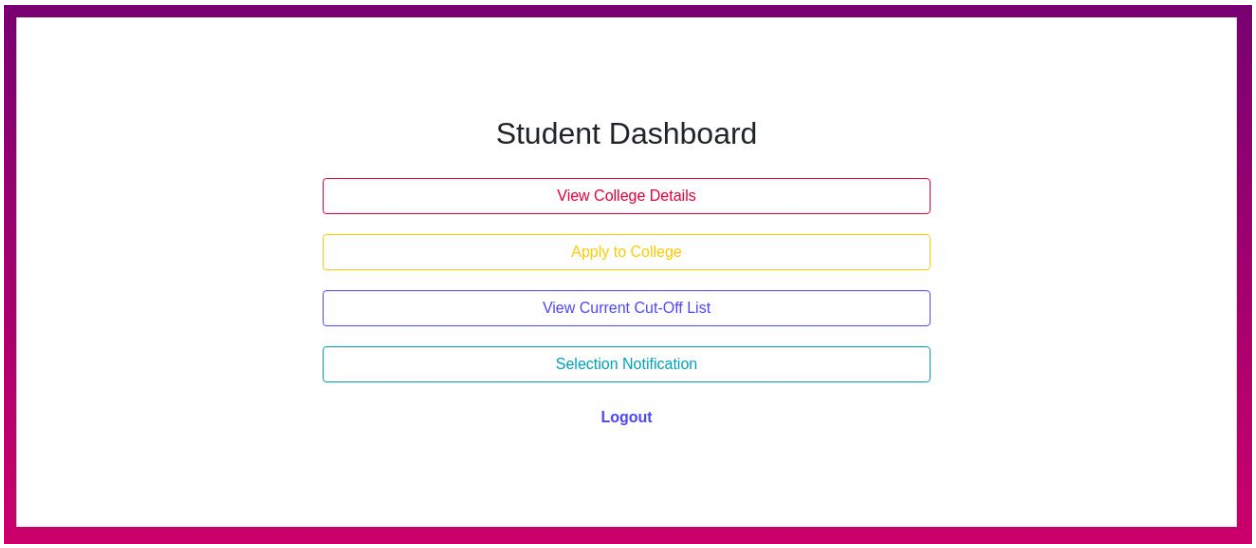
Admin - Register Students



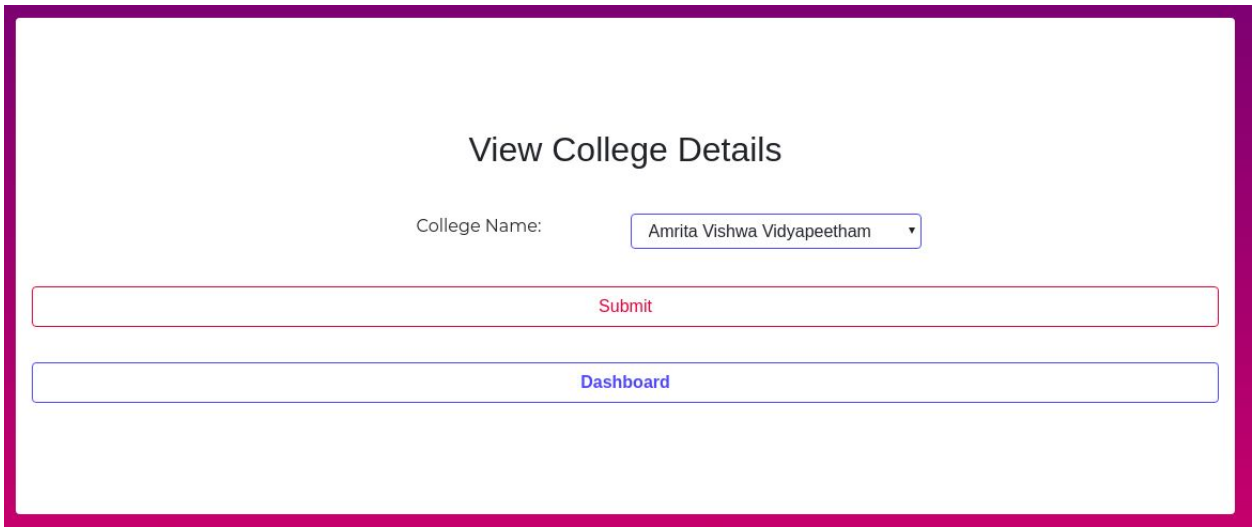
Admin - View Final Students List



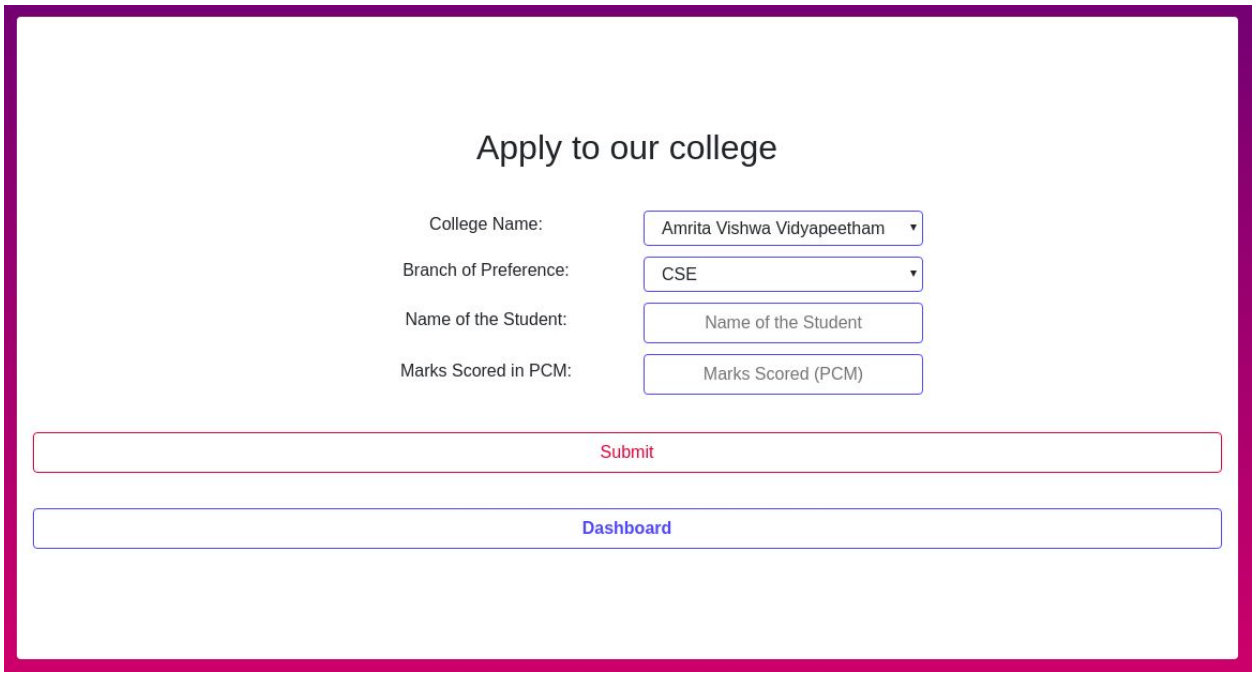
Student - Dashboard



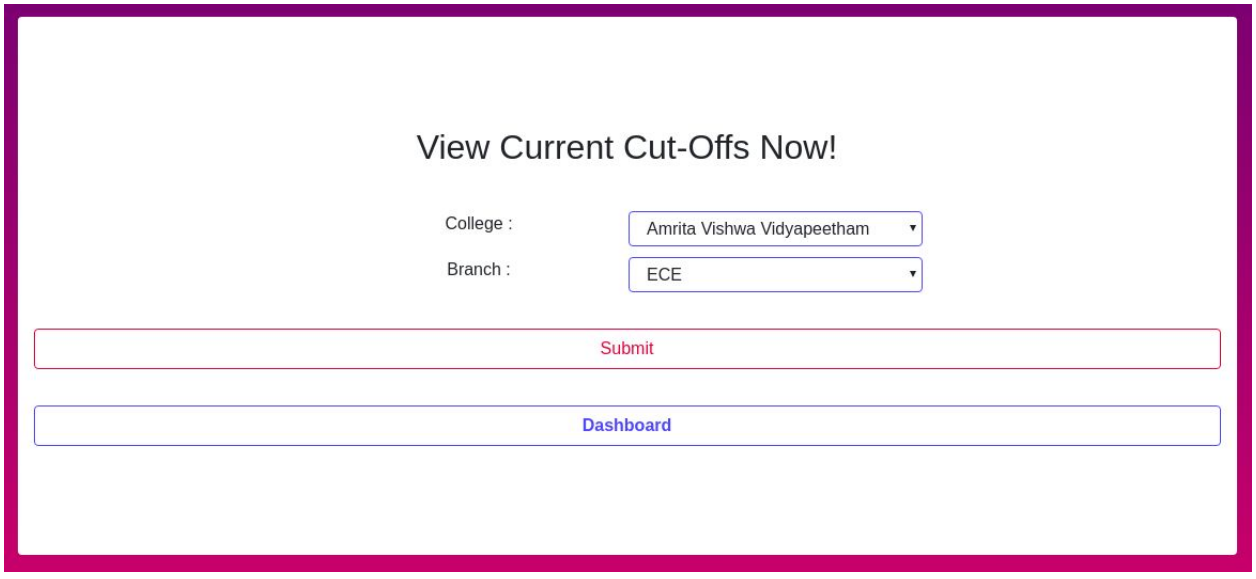
Student - View College Details



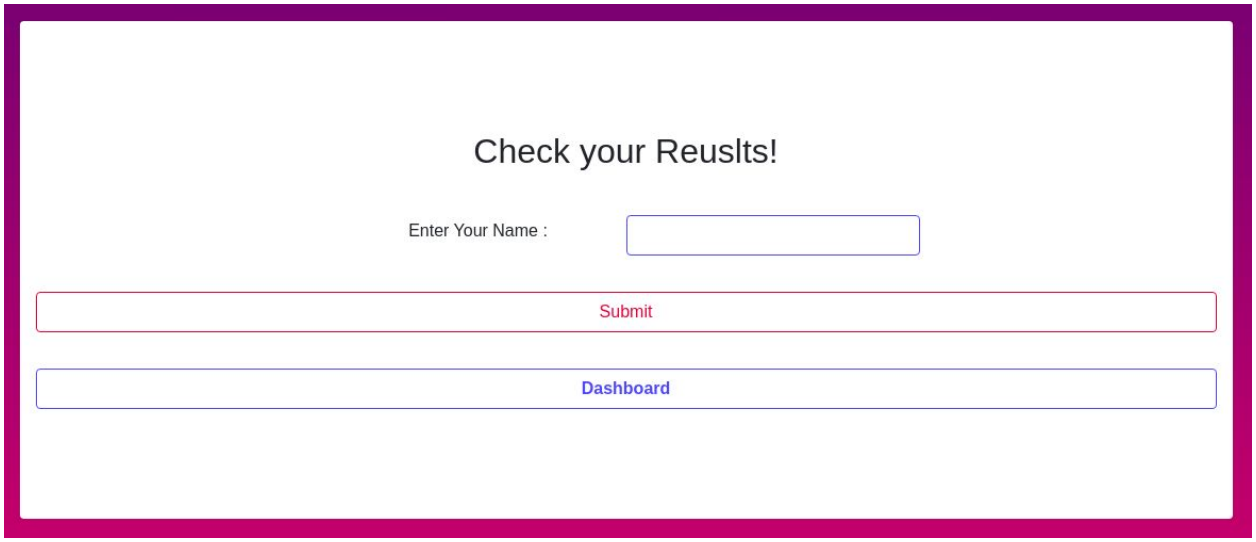
Student - Apply to College



Student - View Cut-off



Student - Selection Notification



Student - Before cut-off list generated - Probability of selection

The cutoff isn't decided yet, but you have a probability of 0.5921706390499336 to get admission

Student - After cut-off list generated - Selection Result

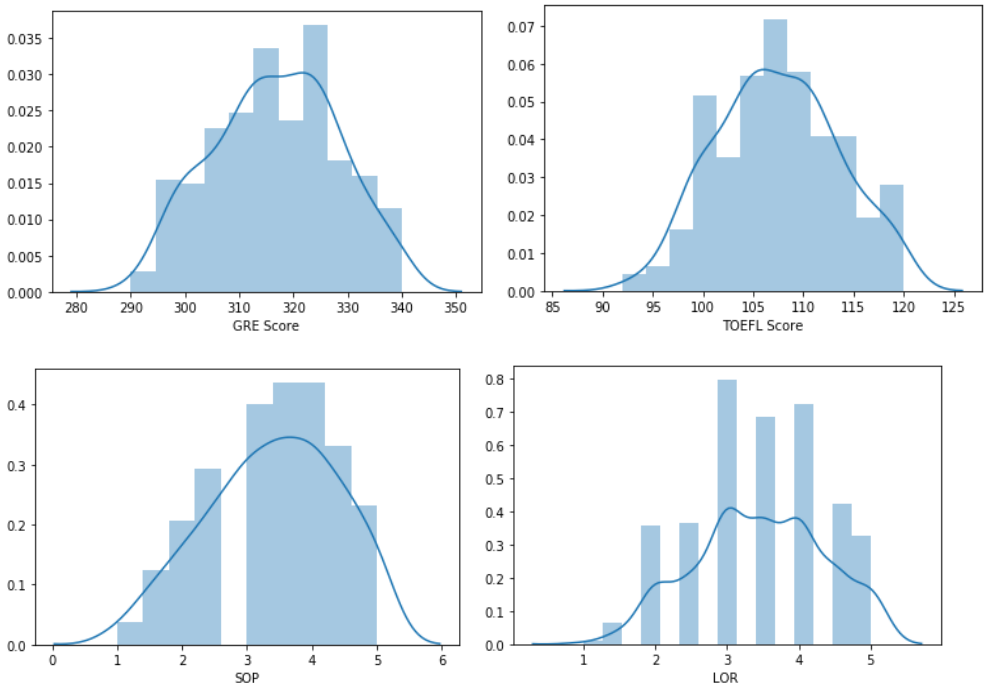
Congratulations you're selected!

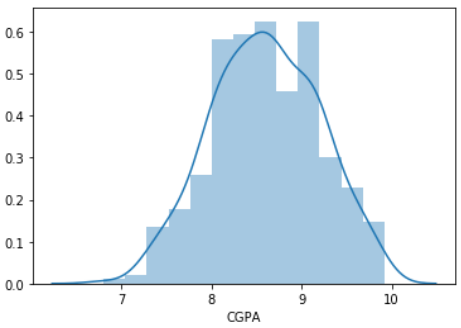
Naive Bayes Classification algorithm to predict the probability of a student getting admitted in a college.

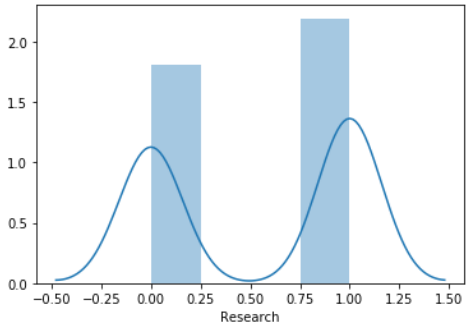
1) Distribution and statistical results of the distribution

	GRE Score	TOEFL Score	SOP	LOR	CGPA	Research	Chance of Admit
count	400.000000	400.000000	400.000000	400.000000	400.000000	400.000000	400.000000
mean	316.807500	107.410000	3.400000	3.452500	8.598925	0.547500	0.724350
std	11.473646	6.069514	1.006869	0.898478	0.596317	0.498362	0.142609
min	290.000000	92.000000	1.000000	1.000000	6.800000	0.000000	0.340000
25%	308.000000	103.000000	2.500000	3.000000	8.170000	0.000000	0.640000
50%	317.000000	107.000000	3.500000	3.500000	8.610000	1.000000	0.730000
75%	325.000000	112.000000	4.000000	4.000000	9.062500	1.000000	0.830000
max	340.000000	120.000000	5.000000	5.000000	9.920000	1.000000	0.970000

2) Visualization of distribution of various input features




0.6
0.5
0.4
0.3
0.2
0.1
0.0
7
8
9
10
CGPA


2.0
1.5
1.0
0.5
0.0
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00
1.25
1.50
Research