A

Project Phase - I

Report On

"CampusConnect : A Student Placement Hub"

Submitted in partial fulfillment of the requirements for

the Degree of

BACHELOR OF TECHNOLOGY
SEMESTER - VII

In

Computer Science and Engineering

SUBMITTED BY

Mr. Katkar Rushikesh Anil

Mr. Ghadge Shubham Popat

Mr. Dhumal Nishant Vitthal

Under the Supervision of

Mr. Pathak P. A.

Department of Computer Science and Engineering

ARVIND GAVALI COLLEGE OF ENGINEERING, SATARA

2023-24

Certificate

This is to certify that the Project report entitled **"CampusConnect: A Student Placement Hub"** is a bonafide work carried out by:

Mr. Katkar Rushikesh Anil

Mr. Ghadge Shubham Popat

Mr. Dhumal Nishant Vitthal

Under our supervision, during the year 2023-24 and submitted to the faculty of Computer Science and Engineering, AGCE Satara in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Computer Science and Engineering.

Guide   Project Co-ordinator

HOD   Dean R&D   Principal

Internal Examiner   External Examiner

UNDERTAKING

We hereby declare that the details furnished above are true and correct to the best of our knowledge and belief and we undertake to inform authorities about any changes therein, immediately. In case any of the above information is found to be false or untrue or misleading or misrepresenting, we are aware that we may be held liable for it.

Sr. No.	Name of Student	Prn No	Sign
01	Mr. Katkar Rushikesh Anil	2065451242034	
02	Mr. Ghadge Shubham Popat	2065451242044	
03	Mr. Dhumal Nishant Vitthal	2065451242022	

Place: Satara

Date:

<u>Acknowledgement</u>

It is our privilege to acknowledge my deep sense of gratitude to my guide Mr. Pathak P.A. in Computer Science and Engineering at Arvind Gavali College of Engineering, Satara for his/her valuable suggestions and guidance throughout our course and the timely help given to us in completion of our project work.

We are thankful to Dr. V. A. Pharande, Principal, Arvind Gavali College of Engineering, Satara and Dr. Bhosale Versha Head of Computer Science and Engineering department for their kind co-operation & moral support.

Finally, we wish to express our sincere thanks to all the staff members of Arvind Gavali College of Engineering, Satara for their direct and indirect help during the course of our project.

Date:

Place: Satara

ABSTRACT

Nowadays, whenever a student are completed their degree in engineering or other then he/she have to identify that in which company they can approach according to the different criteria's of companies.

Student have to check criteria's of every company to check whether they can apply for the job or no. Students who are trying for off campus placement have these as a big issue in market.
For that we in traduce our website name as "CampusConnect: A Student Placement Hub" which identifies the companies for students according the different criteria's of company.

This is also helpful for students who are prepare for placement in next upcoming year and also for different degree level and wide verities of technical area. One's a student build their profile then he/she get the list of company in their profile with the company career page link for approaching for placement.

And also student directly enter their information to get result as company name with the career page link on our main page of website.

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INTRODUCTION

Chapter 1

INTRODUCTION

1.1 General Introduction

Self Analysis and Placement is the platform on which user can figuring out in which company they can apply and user also search companies according their interest and get information about their placement criteria. This platform shows result according the user interest and help to get companies, And it gives the list of companies in which job is available according to users skills and experience.

This platform having two login's first is for students and other is for college TOP's. Admin can view their student information and their profile and share overall and individual student profile to the company HR directly.

Student have to check criteria's of every company to check whether they can apply for the job or no. so, this problem get solve by our website. Students who are trying for off campus placement have these as a big issue in market.

For that we in traduce our website name as "CampusConnect: A Student Placement Hub" which identifies the companies for students according the different criteria's of company.

This is also helpful for students who are prepare for placement in next upcoming year and also for different degree level and wide verities of technical area. One's a student build their profile then he/she get the list of company in their profile with the company career page link for approaching for placement.

1.2 Problem Statement

- When a student are ready for placement then he/she identifies different companies according to the different criteria's of companies such as 12th marks, CGPA, Backlogs in academic year etc., there is no such a platform to identifies different companies according to these criteria's and gives a list of companies. College TOP's also get problems when they have to share students information to the companies to analyze the student and student have to fill the multiple forms for that.

1.3 Objective of Present work

- To develop a website for students and job seekers which help to identify companies for placement.

- To filter best companies according to skills and criteria of the company which help for students to get idea about the industry in which they will work.

- To give the information of different companies with their placement criteria's if a user wants with their career page link after searching on website.

- To create admin login for admin to share all student data to the companies and their HR.

- To create the prediction system to predict which student have the more chance to select in company or getting placed in upcoming day's.

Chapter 2

LITERATURE REVIEW

Chapter 2

LITERATURE   REVIEW

Author Name	Paper Name	Publication Year	Technology Used
Sonal Kureshi	The IUP journal of marketing management, Vol.9 Nos 1& 2	2010	This paper revives the literature on product placements to develop three frameworks for three frequently used media.
Vandana Sood	Conceptual and Managerial implication	2010	The usage placements is increasing across media making it essential for us to understand its effect on the audience.
Nilesh Rathod	As Interactive online Training and Placement system.	2013	College talent placement system at providing the facility to automate and simplify the process of registration and list generation of eligible students for placement.
Shilpa Hadkar	College collaboration portal with training and placement	2014	The project will indicate manual work and maximize optimization, abstraction and security. Students will get notify when TPO's upload study material or any campus drive information through the system.

Author Name	Paper Name	Publication Year	Technology Used
Rampalli Paya, Ganesan Palanisamy, S.K.V Jayakumar	Mediterranean journal of social sciences	2015	Campus recruitment is the process by which the corporate recruit students who are about to graduate from the educational institution.
Suraj Gupta	"Recruitment system with system prediction"	2021	This concept is used to determine in next step to determine or predict employee placement based on their characteristics.

Chapter 3

HARDWARE IMPLEMENTATION

Chapter 3

HARDWARE IMPLEMENTATION

3.1 Hardware Used

1. <u>**Web Server**</u>

- 2 GB RAM

- 80 GB Hard Disk

- 1.6 GHz Processor

Chapter 4

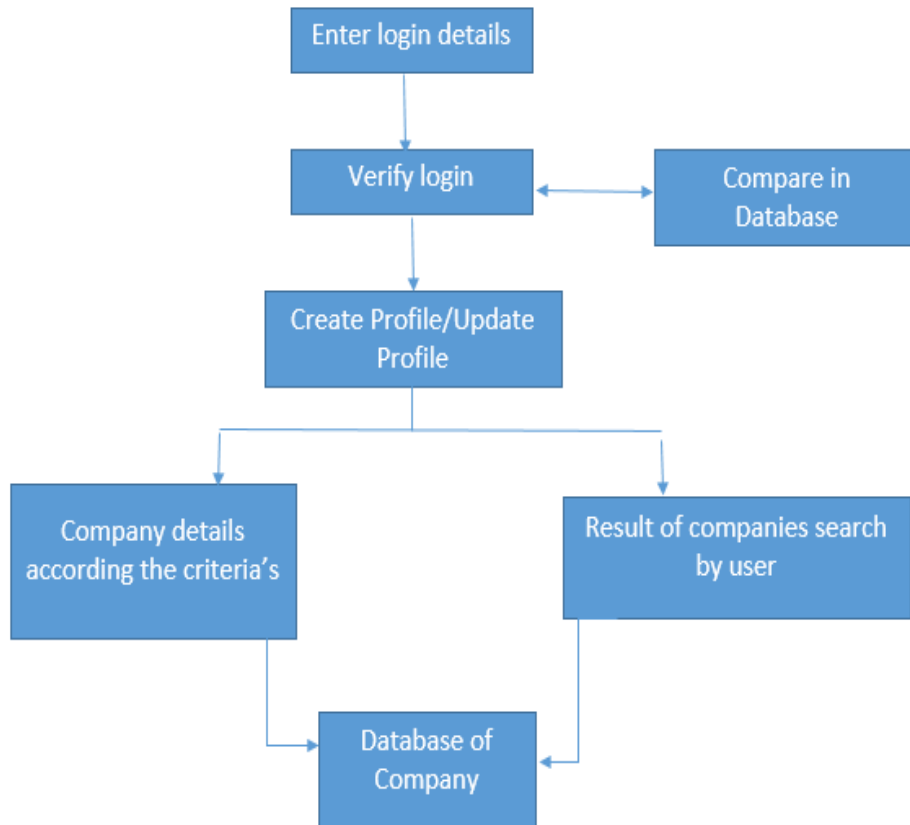## SOFTWARE IMPLEMENTATION

4.1 System Architecture

Figure 4.1: System Architecture

System architecture is the total view of system flow.

Direct input of data and get output

Landing Page:

User can directly enter their details such as 12th marks their CGPA and total number of backlogs then system shows in which companies they can approach for placement. It is very helpful for student to get their career page link at same time on website. In this working all result of companies are came from the database in which all information are present already.

4.2 Flowchart

User Information and Job Search Flow

User enters information

List of companies

Login required

Yes   No

Prompt to login

Show company information
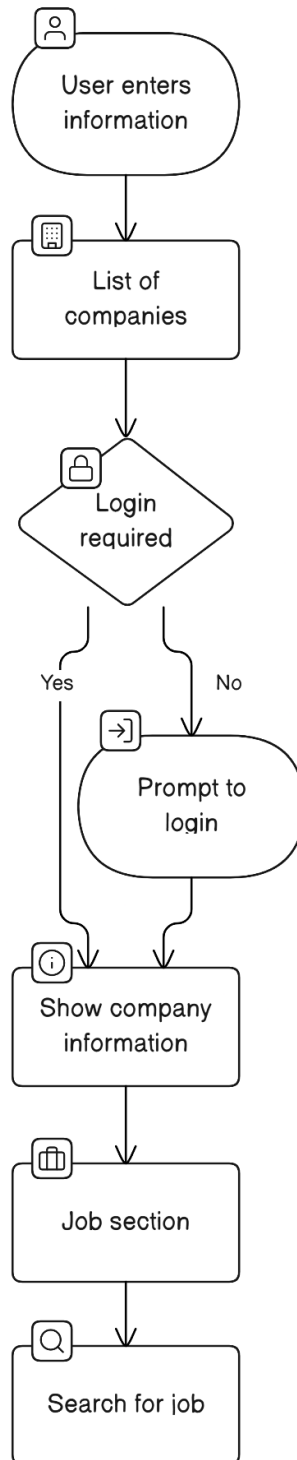
Job section

Search for job

Figure 4.2: Flowchart

Flowchart is a graphical diagram that represents the sequence of steps to solve a problem. A flowchart is a diagrammatic representation of an algorithm. In computer programming, the flowchart diagram helps to write down an algorithm to solve the problem.

It was originated from computer science as a tool for representing algorithms and programming logic but had extended to use in all other kinds of processes. Nowadays, flowcharts play an extremely important role in displaying information and assisting reasoning. They help us visualize complex processes, or make explicit the structure of problems and tasks. A flowchart can also be used to define a process or project to be implemented.

4.3 Entity Relation Diagram
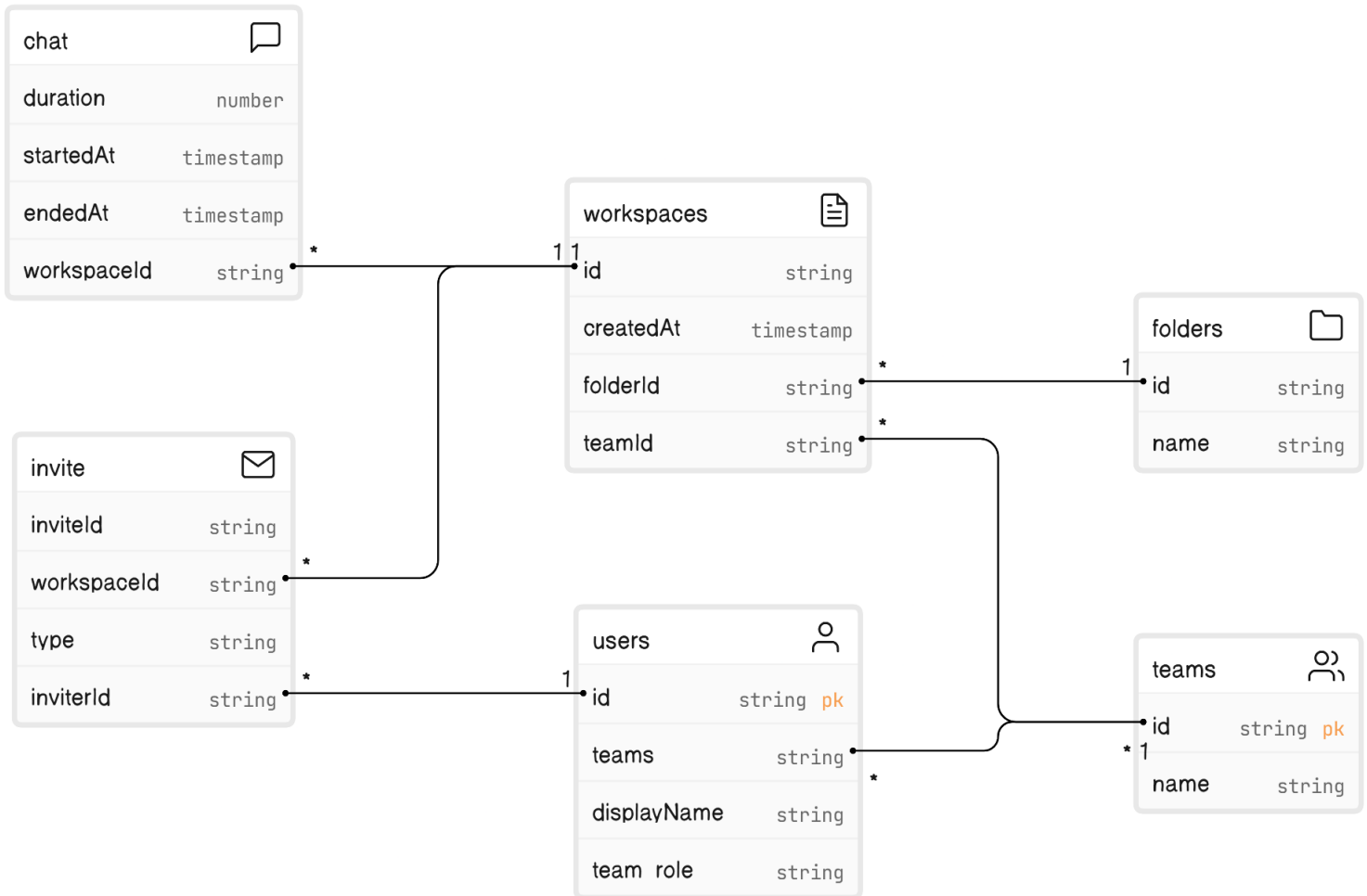
Database Design

Fig 4.3: Entity Relationship Diagram

Entity-Relationship Diagrams (ERDs) depict database structures, illustrating entities, attributes, and relationships. Entities represent real-world objects, attributes describe properties, and relationships define connections. ERDs aid in visualizing and designing databases, ensuring data integrity and efficient information retrieval in software engineering and database management.

4.4 Sequence Diagram
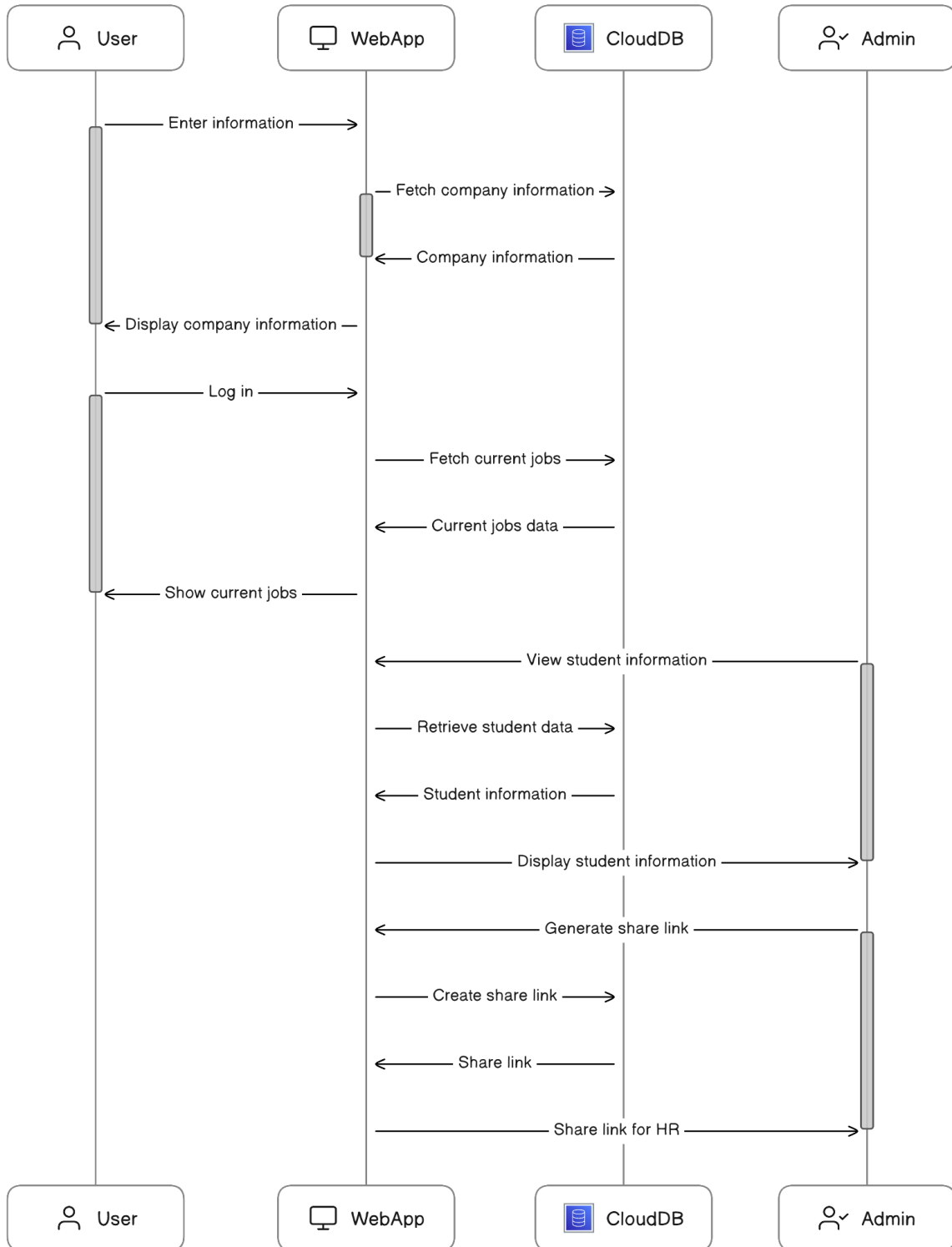
User and Admin Interaction with Cloud Database

Figure 4.4: Sequence Diagram

Sequence diagrams in UML show how objects interact with each other and the order thoseinteractions occur. It's important to note that they show the interactions for a particular scenario. The processes are represented vertically and interactions are shown as arrows. This article explainsthe purpose and the basics of Sequence diagram.

A sequence diagram is an interaction diagram. From the name, it is clear that the diagramdeals with some sequences, which are the sequence of messages flowing from one object to another. Interaction among the components of a system is very important from implementation and execution perspective. Sequence diagram is used to visualize the sequence of calls in a system toperform a specific functionality.

4.6 Class Diagram

Generic Class: SAPA
- Company Name: String
- List: String
- Result()

Relationships
- 1..n — <<Specific Class 1>> Student
  - Name: String
  - + Marks: Int
  - + Cgpa: Int
  - +Backlogs: Int
  - Search()
- 1..1 — <<Specific Class 2>> Profile
  - Personal Information: String
  - Company List()
- 1..n — <<Specific Class 3>> Without Profile
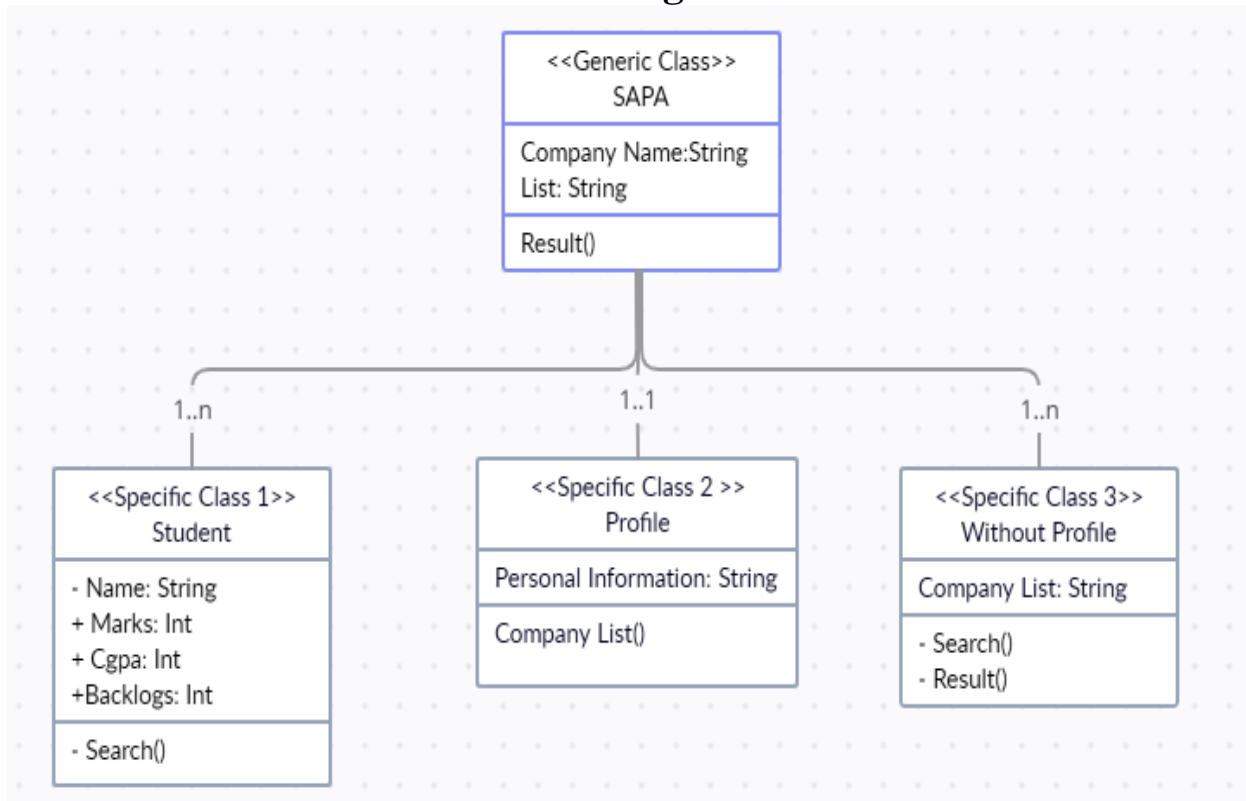 - Company List: String
  - Search()
  - Result()

Figure 4.5: Class Diagram

Class diagrams are the main building block of any object-oriented solution. It shows the classes in a system, attributes, and operations of each class and the relationship between each class.

In most modeling tools, a class has three parts. Name at the top, attributes in the middle and operations or methods at the bottom. In a large system with many related classes, classes are grouped together to create class diagrams. Different relationships between classes are shown by different types of arrows. Class diagram consists of classes, interfaces, associations, and collaboration. Class diagrams basically represent the object-oriented view of a system, which is static in nature.
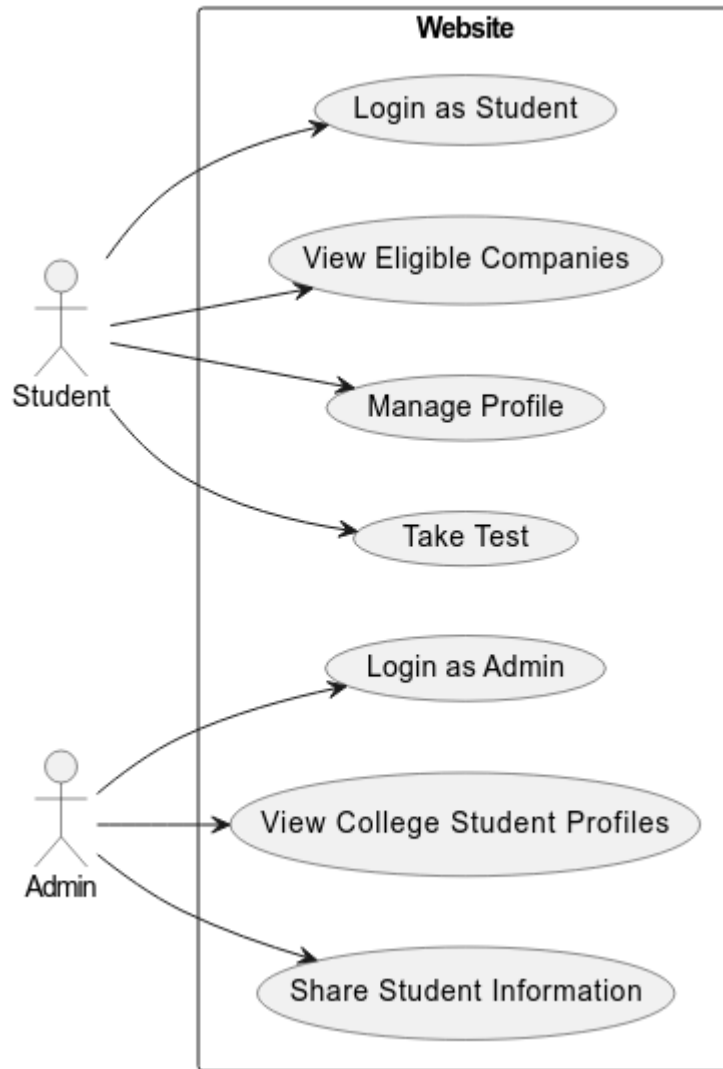
4.6 Use Case Diagram

Figure 4.6: Use Case Diagram

A use case diagram is a representation of a user's interaction with the system and shows the relationship between the user and the different use cases. In above fig. our system represents the interaction between user and system.

4.7 Activity Diagram

User Information and Job Search Flow

User enters information

List of companies

Login required

Yes — No

Prompt to login

Show company information
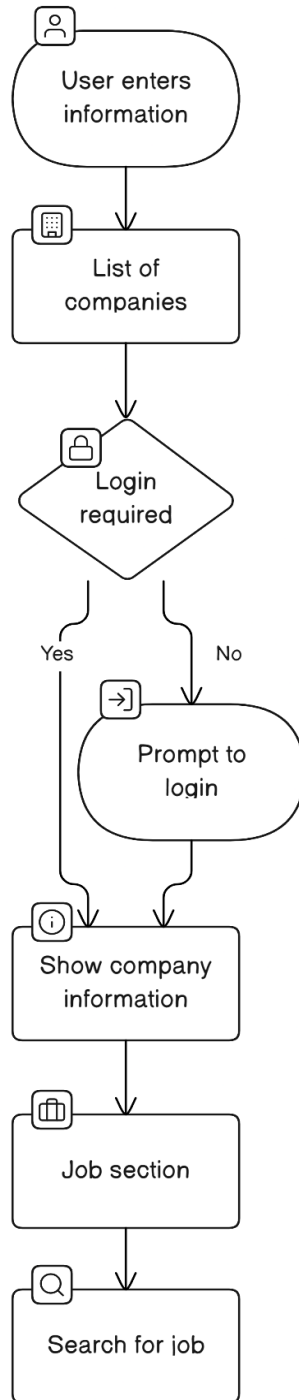
Job section

Search for job

Figure: 4.7 Activity Diagram

Activity diagram focuses on the execution and flow of the behavior of a system instead of implementation. Above fig represents the actual flow of and behavior of our system. It consist of that are made up of action which apply to behavioral modeling technology.
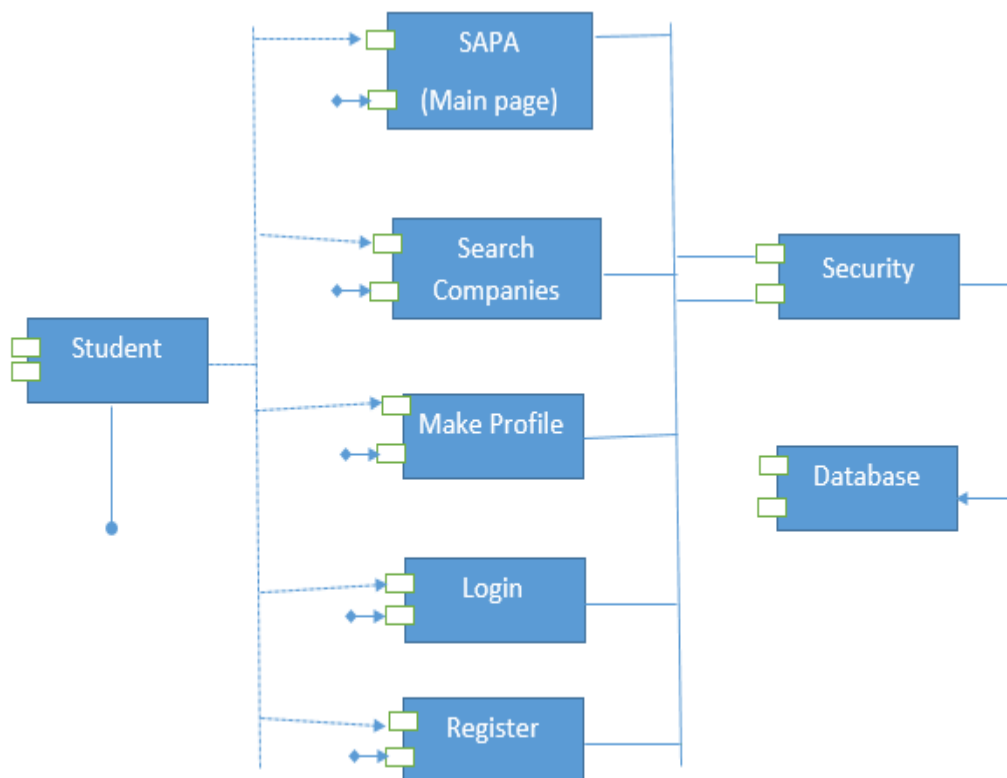
4.8 Component Diagram

Figure 4.8 Component Diagram

This component diagram shows the all different component present in website as above. This is component diagram of self analysis and placement site which shows component provided and requirement interfaces parts and relationship between the different parts of website as main page profile making of site, searching company.

Programming Language Used

Front End: -

- HTML
- CSS
- JavaScript
- React.js

Back End:-

- Node.js
- Express.js
- MongoDB(Database)

Chapter 5

RESULTS AND CONCLUSION

5.1 RESULT

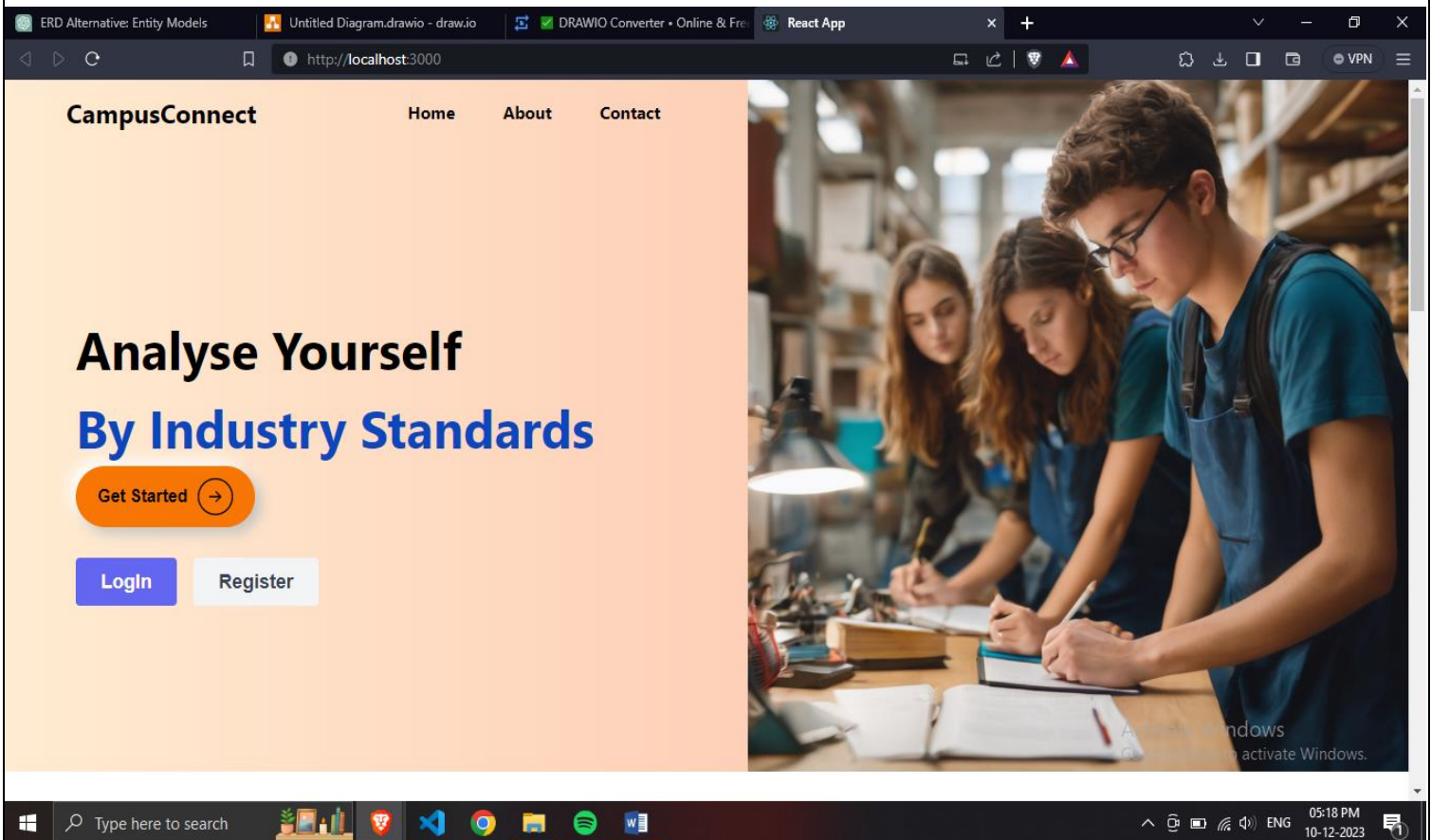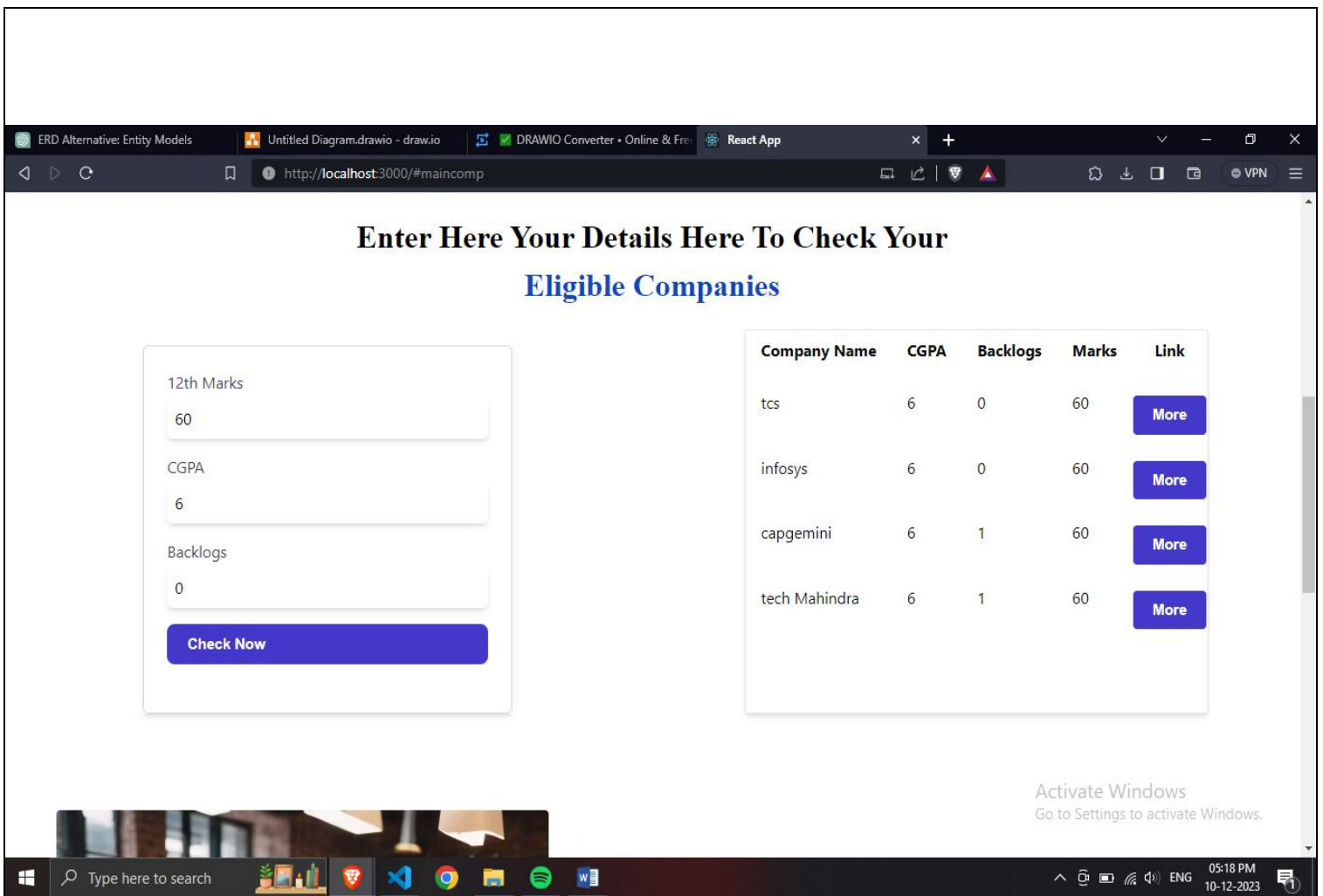Fig. 5.1 Landing Page

Figure 5.2: List of Companies

Profile

Name	Email	Marks	CGPA	Backlogs	Domain
Ram chavan	ram@gmail.com	60	6	0	web development

Here are the companies you can Approach

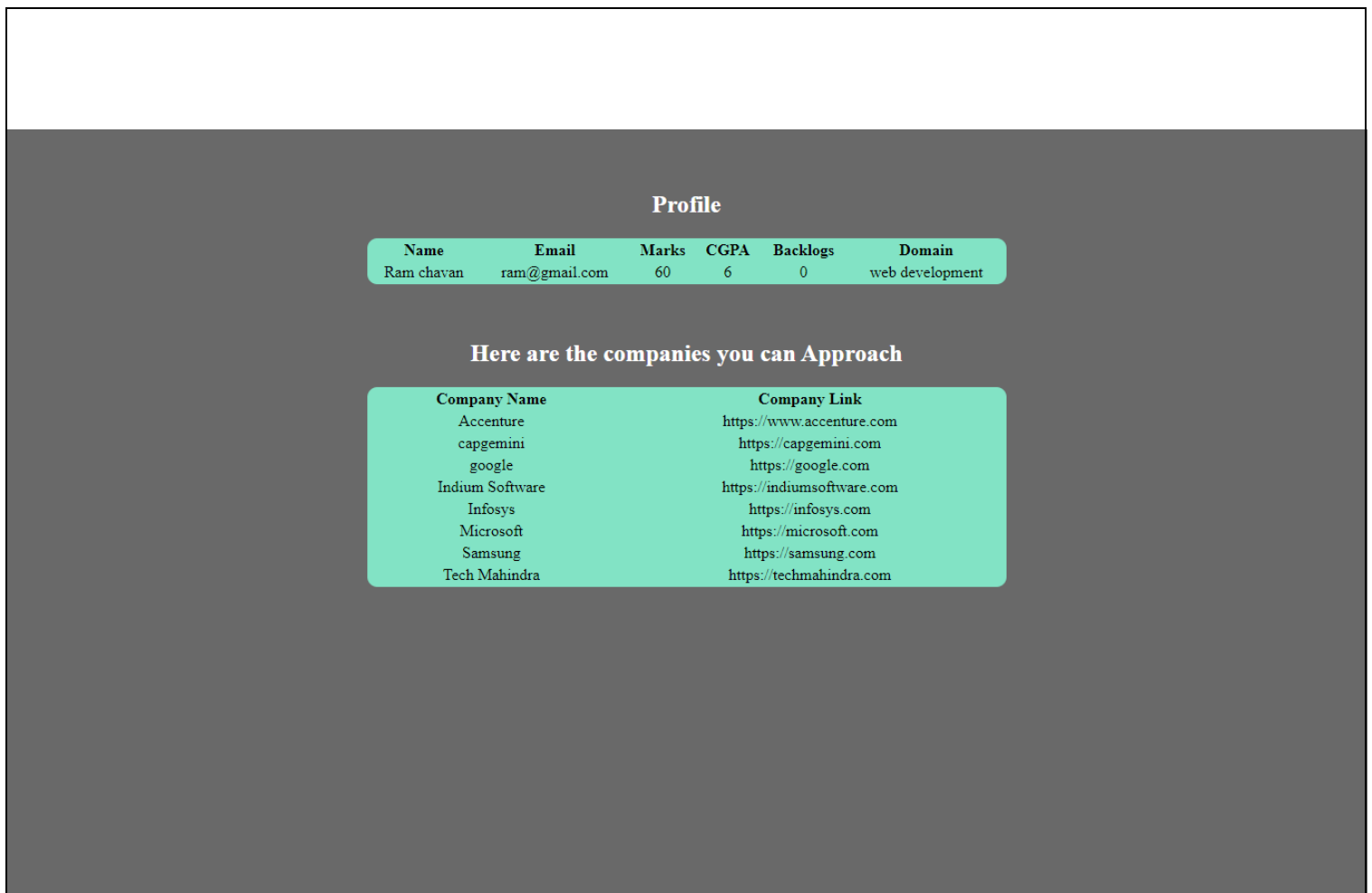| Company Name	Company Link
Accenture	https://www.accenture.com
capgemini	https://capgemini.com
google	https://google.com
Indium Software	https://indiumsoftware.com
Infosys	https://infosys.com
Microsoft	https://microsoft.com
Samsung	https://samsung.com
Tech Mahindra	https://techmahindra.com

Figure 5.3: Profile with result

This is output of project. Website can successfully identifies the different companies according to the student or user criteria's such as 12th marks, their CGPA and also the total number of backlogs in their academic year. Once a user make their profile on our website its shows the accurate result of companies to they can approach for placement.

5.2 CONCLUSION

The project entitled as CampusConnect: A Student Placement Hub is the system that deals with the issues related to Students and their Placements.

This project is successfully implemented with all the features mentioned in system requirements specification.

The application provides appropriate information to users according to the chosen service.

The project is designed keeping in view the day to day problems faced by a student and job seekers. Automation of the entire system improves the efficiency.

It provides a friendly graphical user interface which proves to be better when compared to the existing system.

Website are able to give the list of companies when user enter their details in form and also it give permanent list of companies with their career page link to our website also. This is very helpful to students and also working professionals to identify their place of work effectively.

5.3 FUTURE SCOPE

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- It will help a person who are actually working and looking for better opportunities and work culture.

- It reduce much time to find out the companies in which user can apply.

- The website would predict student chances to get placed in particular company.

- All TOP work should get done in this site.

Chapter 6
REFERENCES

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[3] Nilesh Rathod As Interactive online Training and Placement system "College talent placement system at providing the facility to automate and simplify the process of registration and list generation of eligible students for placement". 2013

[4] Shilpa Hadkar College collaboration portal with training and placement "The project will indicate manual work and maximize optimization, abstraction and security. Students will get notify when TPO's upload study material or any campus drive information through the system". 2014

[5] Rampalli Paya, Ganesan Palanisamy, S.K.V Jayakumar Mediterranean journal of social "Campus recruitment is the process by which the corporate recruit students who are about to graduate from the educational institution". 2015.

[6] Suraj Gupta "Recruitment system with system prediction "This concept is used to determine in next step to determine or predict employee placement based on their characteristics" 2021.