

FINAL YEAR PROJECT REPORT

Resudemic

Stand out in the crowd

By

Beenish Khan	2009-NUST-BIT-314
Saba Saleem	2009-NUST-BIT-293
Maryam Jameela	2009-NUST-BIT-315

To

Project Advisor: Mr. Mujtaba Haider

Project Co-advisor: Dr. Khalid Latif



Department of Computing

Bachelor of Information Technology

National University of Science and Technology

School of Electrical Engineering and Computer Sciences

May-2013

CERTIFICATE

This is to certify that Maryam Jameela, Saba Saleem and Beenish Khan final year students of BIT-11 has satisfactorily completed the project work entitled “Resudemic” with slogan “Stand out in the crowd” under Department of Computing of NUST School of Electrical Engineering and Computer Sciences.

Advisor

Mr. Mujtaba Haider
Assistant Professor
DOC SEECS

Co-Advisor

Dr. Khalid Latif
Assistant Professor
DOC SEECS

DEDICATION

Project is dedicated to Allah Almighty, the One above, who blesses us abundantly every day.

Secondly it is lovingly dedicated to our respective parents who have been constant source of inspiration and whom prayers help us in every difficult phase of project.

Our dedication also goes to our friends who supported us throughout process.

ACKNOWLEDGMENTS

The success and the final outcome of project required a lot of assistance and guidance from many people. Whatever we have done is all due to such guidance so we would not forget to thank them.

We modestly thank to Almighty Allah, who gave us courage, stamina and thoughts to complete this project.

A special thanks to our advisor Mr. Mujtaba Haider for his guidance as well as for providing necessary information regarding the project and also for his support in completing the project.

We respect and heartily thankful to our co-advisor Dr. Khalid Latif who was more than generous with his expertise and precious time and for his constant supervision from the initial and final level enable us to complete the project.

Lastly we thank to our family and team members for their constant encouragement, without which this project would not be possible.

Regards

Saba Saleem

Beenish Khan

Maryam Jameela

TABLE OF CONTENT

CERTIFICATE	1
DEDICATION	2
ACKNOWLEDGMENTS	3
List of Abbreviation	7
List of Tables	8
List of Figures	9
ABSTRACT.....	11
<i>Chapter-1</i>	12
INTRODUCTION	12
1. Background:.....	12
1.1. Problem Statement:.....	12
1.2. Solution:.....	12
1.3. Objective:.....	13
1.4. Benefits:	13
<i>Chapter-2</i>	14
LITERATURE REVIEW	14
2. Relevant Literature:	14
2.1. Job Portals:.....	14
2.2. Resume Building Tools:.....	14
2.2.1. Seelio:	14
2.2.2. SkillPages:.....	17
2.2.3. LinkedIn:.....	18
2.2.4. Rozee.pk.....	21
2.2.5. Jobzo:	21
2.2.6. Nokri.com.pk:	22
<i>Chapter-3</i>	23
METHODOLOGY	23
3. Design Phase:.....	23
3.1. Architecture Diagram:.....	23

3.2.	Block Diagram:	24
3.2.1.	Authentication engine:	25
3.2.2.	CRUD engine:.....	25
3.2.3.	Hibernate layer:.....	25
3.3.	Architecture Component Diagram:	25
3.4.	Adopted Technology:.....	26
3.5.	Adopted Tools:.....	26
3.6.	Methodology:	27
3.7.	Database Designing:	27
3.7.1.	ERD:	28
3.7.2.	SQL Queries:	29
3.7.2.1.	Insertion queries:.....	29
3.7.2.2.	Data fetch queries:	29
3.7.2.3.	Update queries:	30
3.7.2.4.	Insertion and selection queries:.....	30
<i>Chapter-4</i>		32
IMPLEMENTATION		32
4.	System Features:	32
4.1.	Functional Requirement:.....	32
4.1.1.	Index page:.....	32
4.1.2.	Gallery:	33
4.1.3.	People:.....	34
4.1.4.	Collecting information:	35
4.1.6.	Quick Navigation:.....	39
4.1.7.	Join:.....	40
4.1.8.	Rating:.....	40
4.1.10.	Endorsement and Report:.....	41
4.1.11.	Update Profile:	42
4.1.12.	Client Side Validation:.....	44

Chapter-545
CONCLUSION45
 5. Results and Discussion:45
Chapter-646
RECOMENDATIONS46
 6. Suggestions:46
REFERENCES47

List of Abbreviation

- URL:** Uniform Resource Locator
- HTTP:** Hypertext Transfer Protocol
- HTTPS:** Hypertext Transfer Protocol Secure
- HTML:** Hyper Text Markup Language
- ERD:** Entity Relationship Diagram
- POJOs:** Plain Old Java Objects
- REST:** Representational State Transfer

List of Tables

Table 1: ERD Entities Table-----	27
----------------------------------	----

List of Figures

Figure 2.1: Seelio Jobs	15
Figure 2.2: Seelio Gallery	15
Figure 2.3: Search Seelio Gallery	15
Figure 2.4: Seelio Profile	16
Figure 2.5: Seelio People	16
Figure 2.6: SkillPages Skills	17
Figure 2.7: SkiiPages Profile	17
Figure 2.8: SkillPages Opportunity	17
Figure 2.9: SkillPages List	18
Figure 2.10: LinkedIn Jobs	18
Figure 2.11: LinkedIn Skills	19
Figure 2.12: LinkedIn Profile	19
Figure 2.13: LinkedIn Contacts	19
Figure 2.14: LinkedIn Companies	20
Figure 2.15: LinkedIn Groups	20
Figure 2.16: Jobzo	22
Figure 3.1: Architecture Diagram	23
Figure 3.2: Block Diagram	24
Figure 3.3: Architecture Component Diagram	26
Figure 3.4: ERD	28
Figure 4.1: Resudemic Index	32
Figure 4.2: Resudemic Signup	33
Figure 4.3: Resudemic Gallery	33
Figure 4.4: Search Gallery	34
Figure 4.5: Search Results	34
Figure 4.6: Resudemic People	34
Figure 4.7: Search Results	35
Figure 4.8: Search People	35
Figure 4.9: Personal Information	35
Figure 4.10: Education	36
Figure 4.11: Work	36
Figure 4.12: Extra-Curricular	37
Figure 4.13: Project Description	37
Figure 4.14: Project Technology	38
Figure 4.15: Project Attachments	38
Figure 4.16: Resudemic Profile	39
Figure 4.17: Navigation pane	39

Figure 4.18: Quick Navigation -----	39
Figure 4.19: JoinAs -----	40
Figure 4.20: Member in Team -----	40
Figure 4.21: Rating in gallery -----	40
Figure 4.22: Rate Activity -----	40
Figure 4.23: Accept or Decline-----	41
Figure 4.24: Report -----	41
Figure 4.25: Endorsements -----	41
Figure 4.26: Account Setting Form-----	42
Figure 4.27: Account Settings -----	42
Figure 4.28: Edit Personal Information -----	42
Figure 4.29: Edit Education-----	42
Figure 4.30: Edit Activity -----	43
Figure 4.31: Edit Work -----	43
Figure 4.32: Edit Project -----	43
Figure 4.33: Add Project Resources -----	43
Figure 4.34: Logout -----	44

ABSTRACT

Main focus is to enhance and magnify academic details of fresh graduate. The potential of fresh graduate is always a question for employers. The GPA can't alone guarantee the performance of an individual. Employers find it a risk to hire a fresh graduate. We have target to increase the hiring rate of fresh graduate and reduce the risk factor to some extent. Resudemic provides fresh graduate with an opportunity to showcase their undergraduate skills, academic potential and experiences. It generates functional and targeted resume for entry level positions. Traditionally job portals focus on the professional details of job seekers. Resudemic took an entirely different approach for building and maintaining profile of young graduates to help them to seek a dream job. There are lots of job portals and resume building tools why to reinvent wheel. So the answer is:

- It builds a resume incrementally throughout the academic and job period of user.
- It has an endorsement feature to add the credibility.

Web technology is main domain of the project further we have used JavaEE and HTML5 and MySQL. Our project serves for both the industry and the students. Human resource department can have a credible profile of person they are interviewing and students will have a comprehensive experience to show which was lacking previously.

INTRODUCTION

1. Background:

Now a day, professionals like to use job portal to create their profiles and to build their resume. In this digital era, everyone likes to connect with people and want to be social. The purpose of joining job portals is to seek a dream job.

Web portal is the project domain. Web portal is a place where people look for collected information and data about some particular group of interest from diverse sources. Portals provide a way for an organization to provide interface with access control and procedures for multiple applications, databases and service altogether.

1.1. Problem Statement:

Today, traditional job portals build resume by focusing on professional information of the user but what about the students who have no experience of job and they just have their academic skills and qualification to showcase. In this case students need a place where they can showcase their undergraduate skill and expertise properly but traditional portals are not providing space to such students.

On traditional portal students can only enter their qualification because they don't have professional experience to share so their profiles are not as effective as other professional people have. Companies always find a risk to hire fresh graduates because their profiles have lack of data.

1.2. Solution:

We took an entirely different approach for building and maintaining profiles of the young graduates to help them to seek a dream job. Resudemic is a life time resume building solution which can help you to picture yourself over 360 degree incrementally and seek a dream job. Resudemic providing platform to students for

building their profiles and for making targeted and functional resumes. It builds resume incrementally throughout the academic and job period of user.

1.3. Objective:

- To develop a web based solution for showcasing skills, academic potential and experience of students.
- To provide platform to students so that they can come up with their actual potential in resume.
- To add credibility to the profiles by endorsement feature.
- To create functional and targeted resume for entry level position.
- To develop a web profile to create better perception of candidate for employers.
- To increase the hiring statistics of fresh graduates.
- To keep user interface simple, user friendly and comprehensible.

1.4. Benefits:

Main focus is to boost and magnify the academic detail of fresh graduates. Resudemic serves for both the industry and the students. Human resource department can have a credible profile of person they are interviewing and students will have a comprehensive experience to show which was lacking previously.

It is also providing complete portfolio for academic potential and student are able to showcase their true expertise ensured with credibility. Incremental professional profile building always keeps your profile updated. Its user friendly interface trapped the user rather making user madden.

LITERATURE REVIEW

2. Relevant Literature:

2.1. Job Portals:

Traditional job portals are building resumes using professional experience and workplace information, they are not giving space to students to showcase their expertise who are new in field and just have a degree in their hand. Being a fresh graduate student doesn't have any hands on experience in industry. So we are providing these students with an opportunity to showcase their academic potential, skills and experiences.

2.2. Resume Building Tools:

Today's, all resume building tools are focusing on the professional detail of users, no proper attention is paid to detailed academic records i-e semester projects, assignments, quizzes, community services, extracurricular activities.

2.2.1. Seelio:

This portal is very close to our idea. They claim "*No more Boring Resume*" Seelio lets college students show case their work and helps them employers to find them. It's for the students who have .edu email ids. It has a good graphical user interface as well. They have following options

- **Jobs:**

This option will help you to find the jobs. You can refine the search by three parameters.

- Job Type
- Company Name
- Industry

When you click on job it will display the description and skill desired for the job. You can also view the company's profile as well as message the company. Company Profile has two options company profile and the Jobs they have.

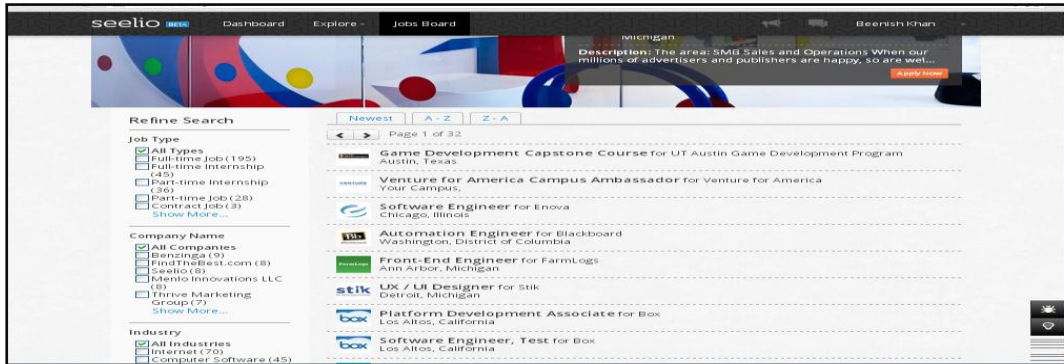


Figure 2.1: Seelio Jobs

- **Gallery:**

Here you can search any field by key word such as Marketing, Graphic design and etc. This will display you the marketing related people profiles. When you click on them it will display description of what that person did in particular field, collaboration what was their collaboration in the work. Tags of that person help you in searching particular field people.

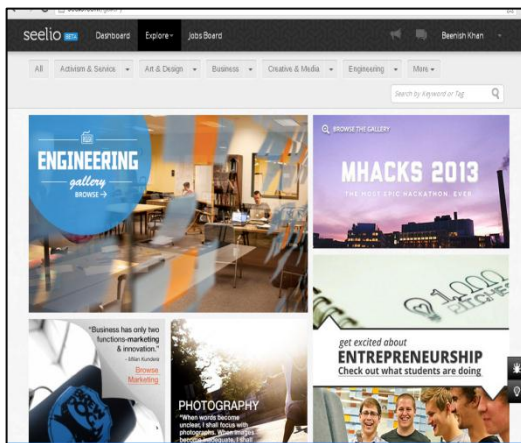


Figure 2.2: Seelio Gallery

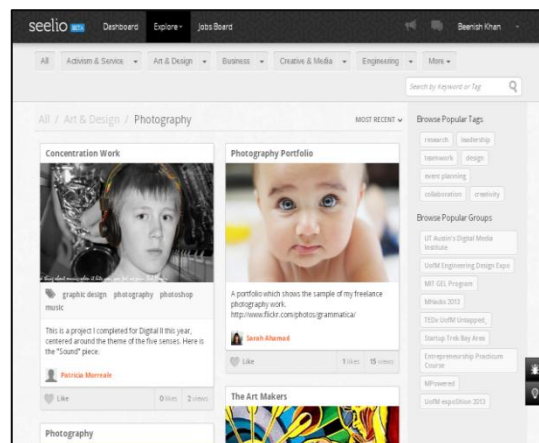


Figure 2.3: Search Seelio Gallery

- **Profile:**

Its show case the work and personal information of the student

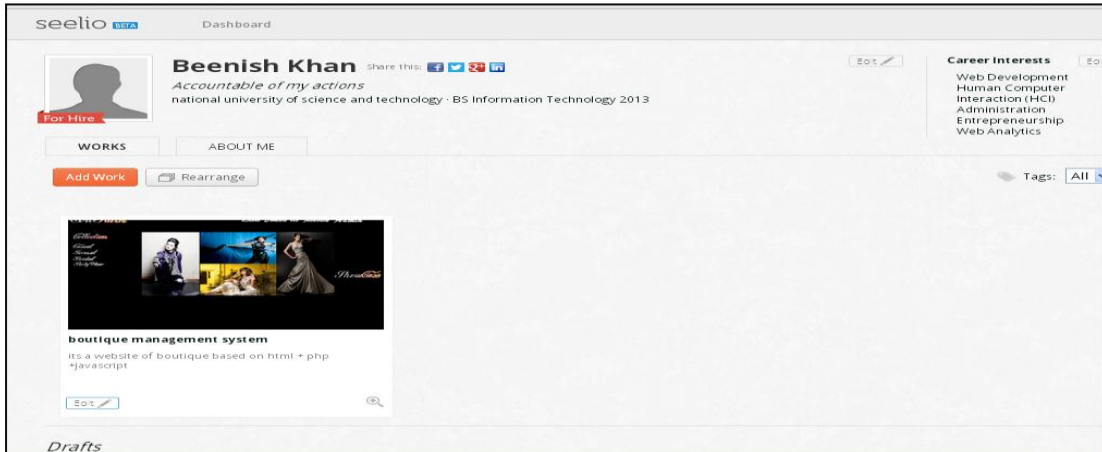


Figure 2.4: Seelio Profile

- **People:**

This option helps you to search the people with name or with the particular field. This way you can message and follow that person and see his profile

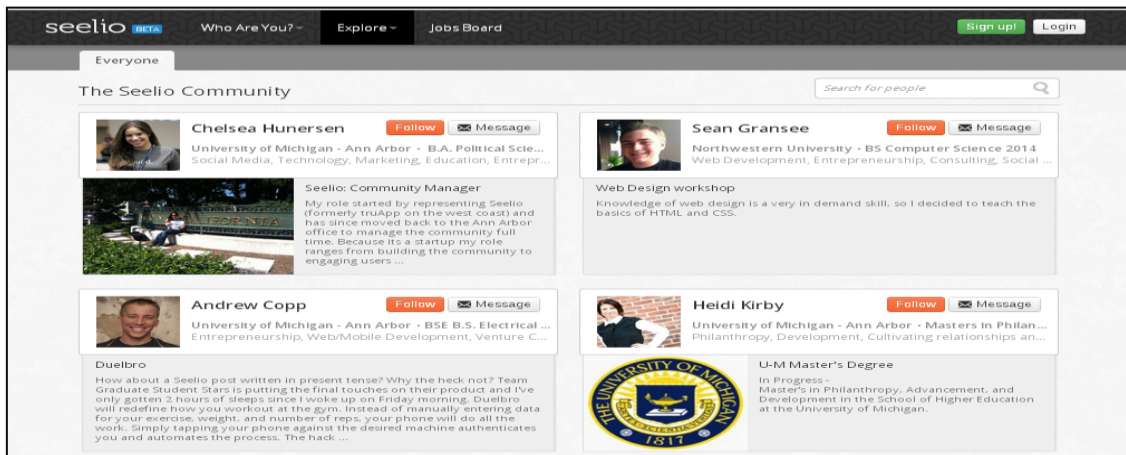


Figure 2.5: Seelio People

2.2.2. SkillPages:

SkillPages uses a variety of networks including LinkedIn, Facebook, Twitter, Google+ and your email address book, to make those social connections. It has a user friendly interface. They have following options:

- **Profile**

People can list more than one skill. Users can recommend people by on their page and can see which of their friends already know someone based on social network connections.

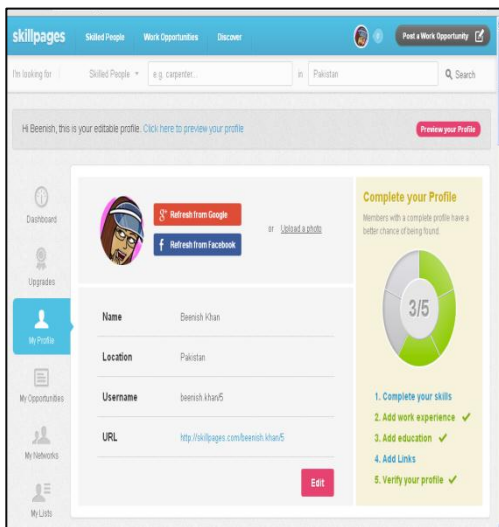


Figure 2.7: SkillPages Profile

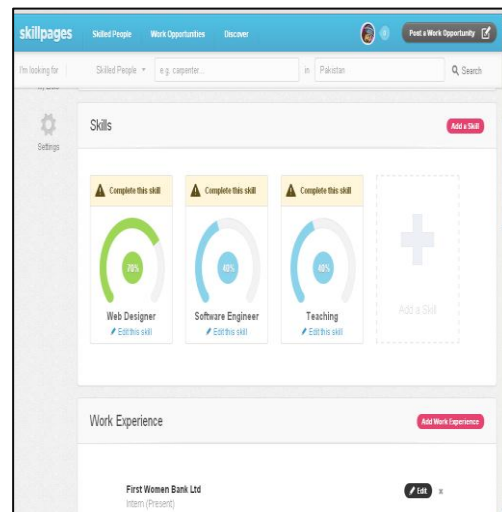


Figure 2.6: SkillPages Skills

- **My Opportunities**

User can post opportunity for skilled people. SkillPages gives you the figure of skilled people who match your opportunity.

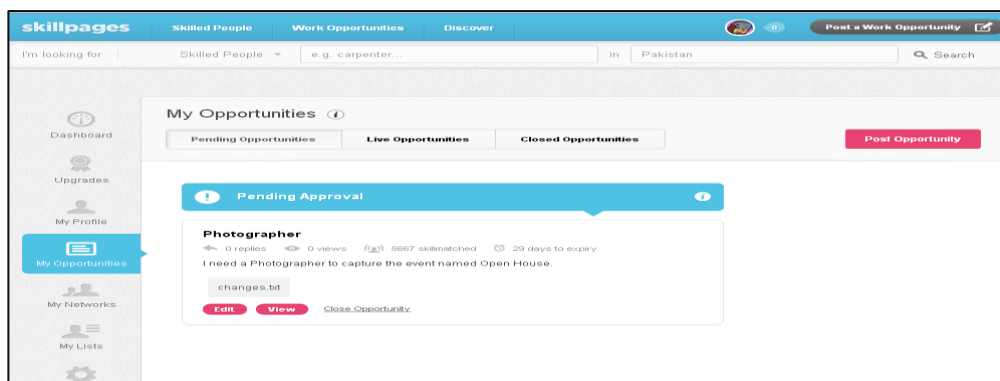


Figure 2.8: SkillPages Opportunity

- **My List**

User can add organized skilled people into his private lists.

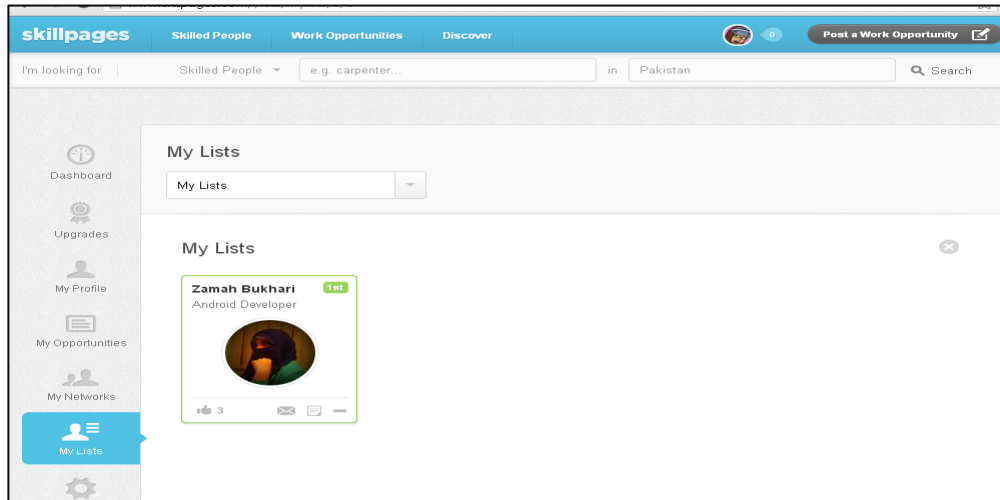


Figure 2.9: SkillPages List

2.2.3. LinkedIn:

LinkedIn is the most developed and career oriented networking site. It is most efficient for connecting with professionals from just about every industry. It creates a detailed professional profile other can search. But its glut of menu options and services annoy the user. They have following options:

- **Jobs**

In this section user can post a job and can search worldwide job by using tags as well as can also discover job within his own network.

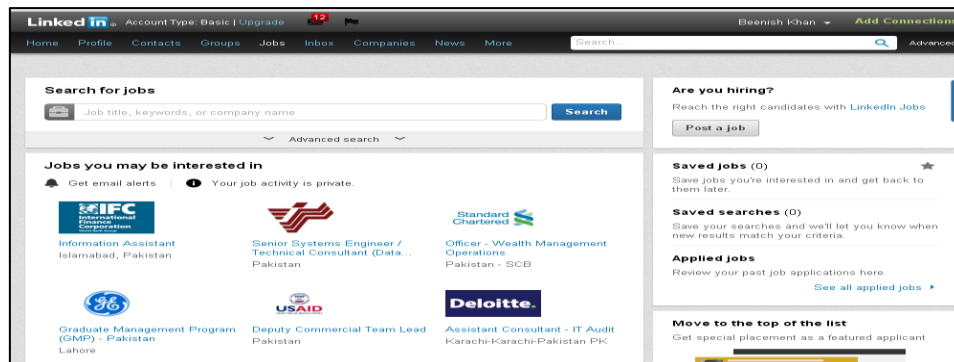


Figure 2.10: LinkedIn Jobs

- **Profile**

LinkedIn provide a complete profile to user in different parts including *Personal information, Activity, Background, Experience, Skills, Expertise, Projects, Connection, Groups and Following*. People follow you and recommend your skills.

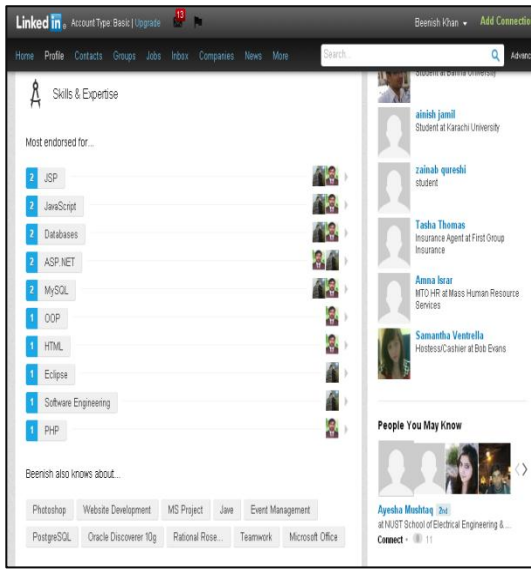


Figure 2.11: LinkedIn Skills

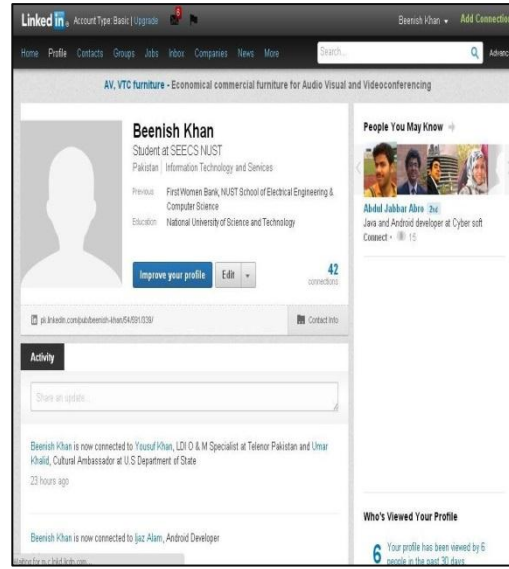


Figure 2.12: LinkedIn Profile

- **Contacts**

People can contact and follow each other. Person can search people by using tags as well as can search people of specific company, location, industry and through his recent activity.

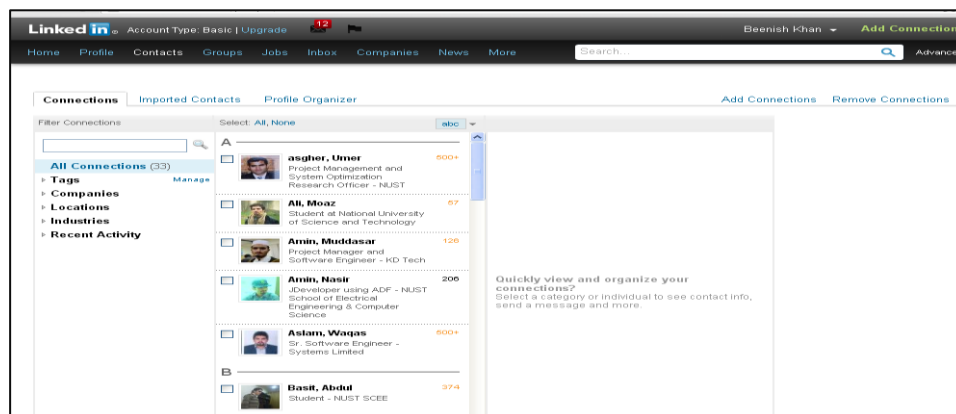


Figure 2.13: LinkedIn Contacts

- **Companies**

Here person can get information of any company by searching and can also follow that company.

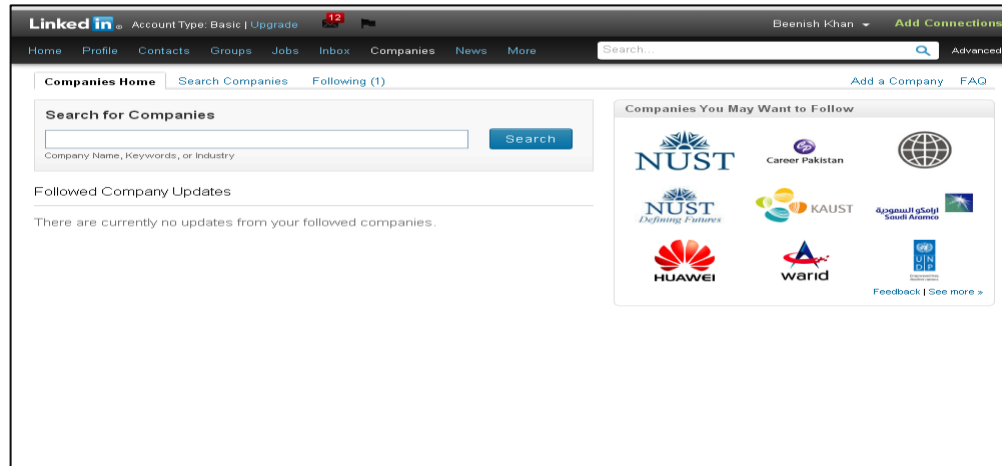


Figure 2.14: LinkedIn Companies

- **Groups**

All the joined groups of user are shown here. User can also create his own group.

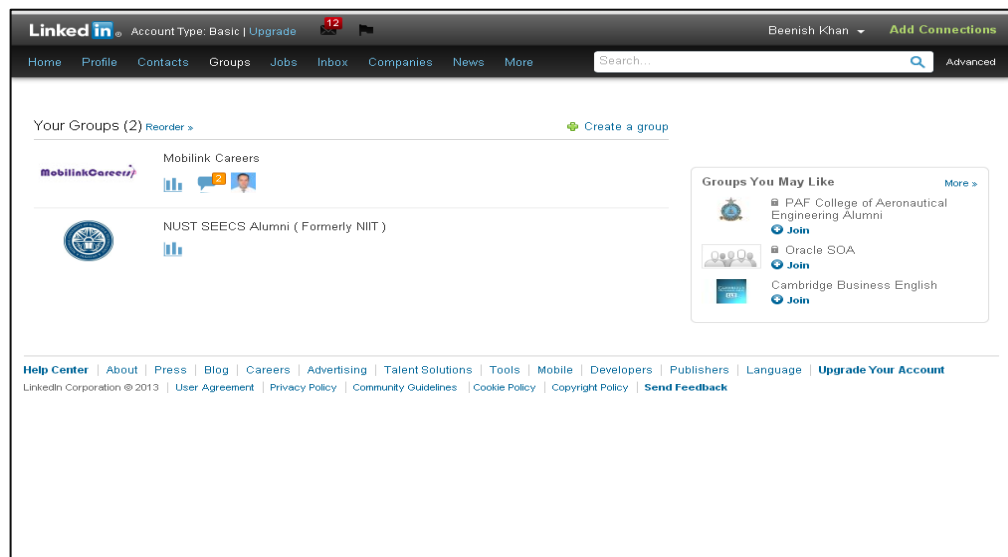


Figure 2.15: LinkedIn Groups

2.2.4. Rozee.pk

Rozzee.pk claims that they are the “*No#1 Job Website in Pakistan*”. They have the banners of the top employers including Hilal, Toyota, Kurshi, PTCL, Dawlance etc. They also have dedicated place for the statistics of the site. They have features which redirects you to make your account one is Upload CV, Create New One.

Upload CV: This feature helps you to upload your CV document on the portal. They won't analysis the date out of the document. Site again asks you for information you already have mentioned in your CV.

Create New One: Open form with lots of field with following sections.

- Personal Information
- Academic Information: This portion is just concerned with the degree of the student.
- Professional Information: Here portal give option to students that either they have work experience or not then they dynamically change the fields according to their selection. This is a good feature but the information which they take from students who have no experience is not enough to showcase their expertise and skills.

2.2.5. Jobzo:

They claim to be the leaders in world's job. They have dedicated portion of the frame for the organization to put their banner on the site .This portal is purely for professional because if you don't enter your years of experience then you cannot proceed to make your profile here. It provides no space for students. If you enter any little experience to proceed then your profile will be empty

They have four options.

- **My Profile:** Displays and allows you to edit your name, email, phone no. It displays a table mentioning how many No. Hits, No. of Apply, No of Mails, No. of searches
- **My CV:** They have extensive fields to fill in and then they build your CV after processing on that data. Still CV is not so impressive for the students because

they do not have any work experience. They are just taking student degree information which is not enough.

- **My Applications:** It is the feature allows you to look the status of your application for the job.
- **My Job Search:** This is same as Quick Search options on home page allow you to search the job of your interest.
- **My Mail Box:** View mails from the employers at Jobzo.

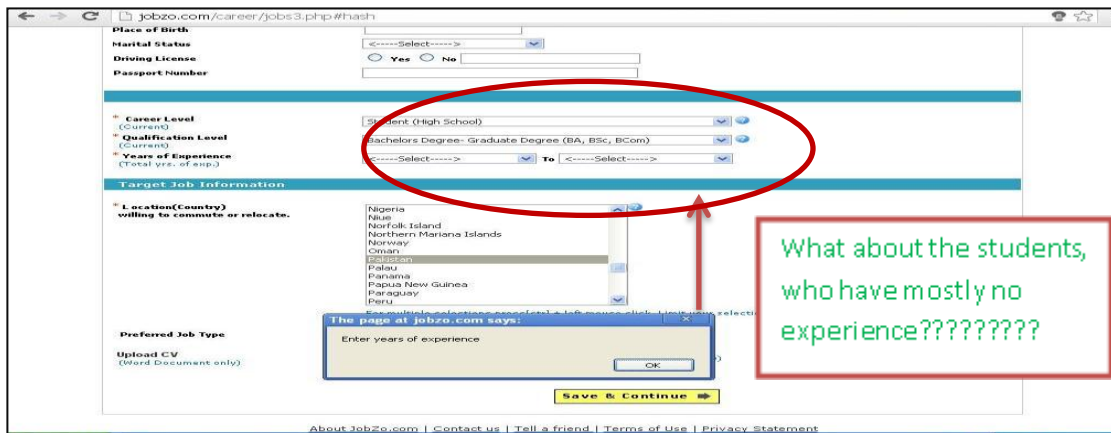


Figure 2.16: Jobzo

2.2.6. Nokri.com.pk:

The portal is almost same as the rozee.pk and jobzo.com. It also has the banners of different organization on its home page as well as quick search feature. New User Sign up option allows to get Create the profile having two sections.

- Accounts Details
- Personal Information: After registration they ask to upload resume as well as input the data fields you already provided in the CV.

Sections of the forms for Resume Building are as follows.

- Resume Details (Resume Title and Picture Upload Link)
- Education: They also concerned only with the degree of the student and skills.
- Professional Details: After taking very little information of education they start taking professional details which students don't have.

METHODOLOGY

3. Design Phase:

Magnifying student expertise and skills is the main focus. As traditional job portals only focuses on the professional details of users. So Resudemic provides solution of this problem by providing platform to the students to display their skills and potentials.

3.1. Architecture Diagram:

The functionality of the system is supported by the architecture diagram, through the interaction that occurs between various elements of architecture.

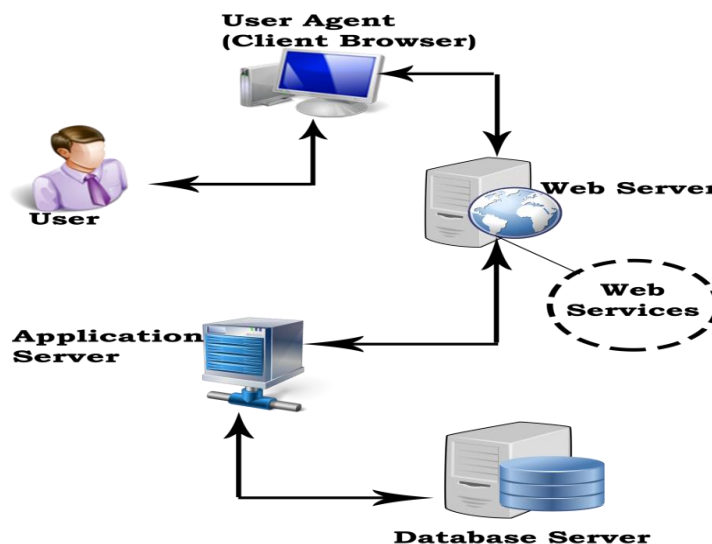


Figure 3.1: Architecture Diagram

- **Client browser:**

User approaches browsers to interact with internet. It provide platform to interact with World Wide Web. When user enters URL <http://www.resudemic.seecs.edu.pk> in the browser then this request is passed to web server whom domain name is .edu.

- **Web server:**

We have used Apache Tomcat Sever v7.0 in our application at local host. Upon all type of HTTP or HTTPs request from a client browser server delivers web pages to user computer. Web services uses web server to run application. It also pass request to application server for communication with web server.

- **Application server:**

Java application server is used to manage business logic and it works over HTTP, HTTPS request. Functions and business logics are made here to fetch data from database and to send them to web server.

- **Database server:**

MySQL server is used as a database server. All the data is placed here and fetched from here. Hibernate framework is used as a persistent layer to store objects in database.

3.2. Block Diagram:

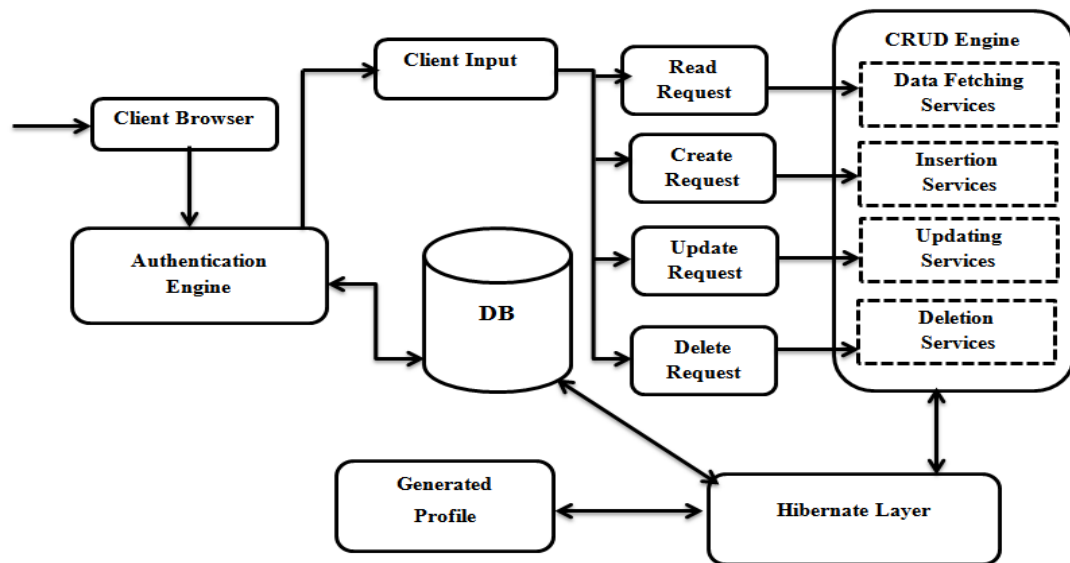


Figure 3.2: Block Diagram

3.2.1. Authentication engine:

This module is used for the authentication of the user. Servlets authenticate the user identity from database and then let authentic user to access Resudemic.

3.2.2. CRUD engine:

This module takes four types of user inputs.

- **Read:**

When user request to read and view his or others profile or gallery then a data fetching service is performed by this engine which fetch data from database by using hibernate session object.

- **Create:**

Insertion service as well as data fetching service are used in CRUD engine when user creates his account first time and generate his profile on Resudemic.

- **Update:**

Updating service is executed when user make any changes in previously added data on his profile.

- **Delete:**

Deletion service is called when user delete any data from his profile.

3.2.3. Hibernate layer:

Hibernate layer is used as a first level layer in database. CRUD operations are updated in database by using hibernate session object.

3.3. Architecture Component Diagram:

Integration of components and their working with their respective server is shown in the figure. Web server handles the entire HTTP, HTTPs requests. Restful services are using web server for completing CRUD operation. CRUD engine includes data fetching, insertion, updating and deletion services. These Services communicate with database server through hibernate layer. Authentication engine is integrated with application server which let authentic user to access Resudemic.

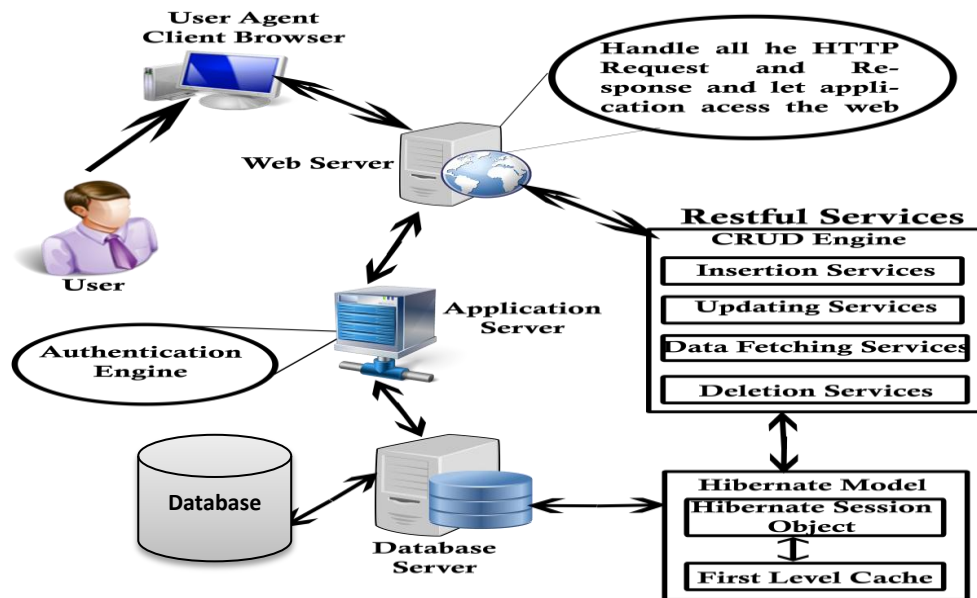


Figure 3.3: Architecture Component Diagram

3.4. Adopted Technology:

Technologies adopted to achieve the goal are as under:

- HTML5, JQuery and JavaScript for designing web pages.
- MySQL for database designing.
- Hibernate framework used as persistence layer for retrieving and storing session objects to a relational database.
- REST architecture is used to avoid complexity.
- JSP is used for business logic.

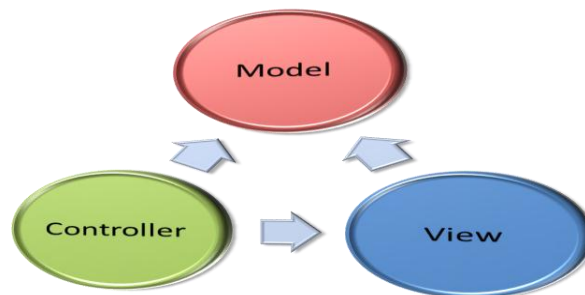
3.5. Adopted Tools:

Tools used to accomplish the work are following.

- Adobe Dreamweaver 6
- MySQL Workbench
- Eclipse
- Pencil
- Adobe Photoshop
- Paint

3.6. Methodology:

Application builds on MVC (Model, View, and Controller) methodology. Our interface is our View through which user interact with application. View is made with HTML5, CSS3, JavaScript and Bootstraps. Hibernate model is used as a lowest level pattern to maintain data and for storing application data object. Model does not know anything about view and controller. Bean classes are used as a controller which receives the input and used for the interaction between model and view.



3.7. Database Designing:

Database designing was the most critical phase of project. ERD shows all entities, their attributes and the relationship between them. User is the main entity which has direct relation with Education, Work, Credential, Endorsement, userhasproject and with performed. Project, work, Extracurricular and rating are linked with activity table. . This Portal has following 20 tables in its ERD.

User	Project	Course	Extra-curricular Activities
Credential	User Has Project	Course has Project	Work
Education	Project Resources	Activities	Work Type
Education Type	Technology-Methodology-Type-Tool	Extra-curricular Activities	Endorsement
Organization	Technology-Methodology-Type-Tool has project	User has Extra-curricular Activities	Rating

Table 1: ERD Entities Table

3.7.1. ERD:

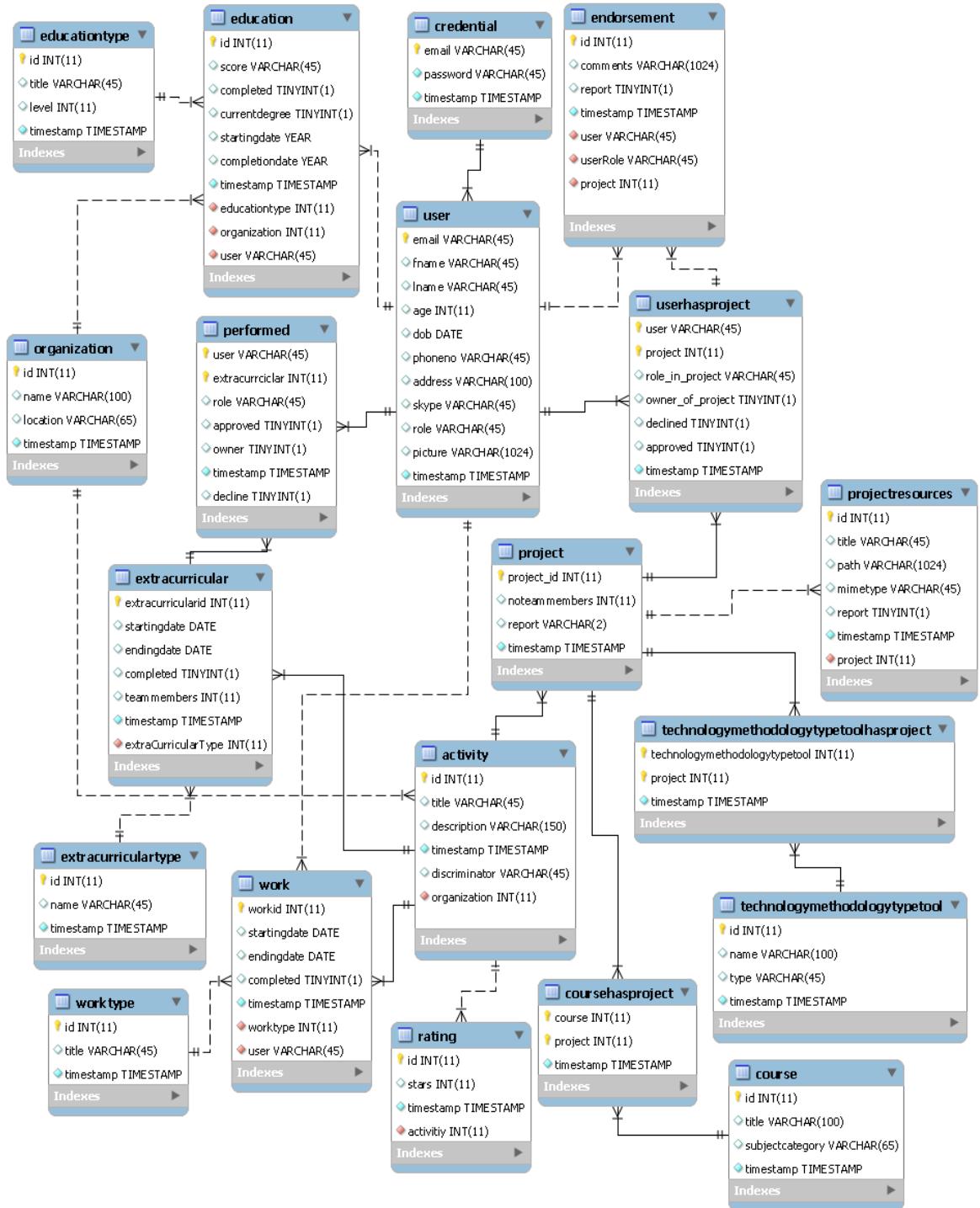


Figure 3.4: ERD

3.7.2. SQL Queries:

SQL queries are made to fetch and to insert data from database and for joining entities according to requirement. For example when user login or register to the portal then an account of user created in database through SQL query. There are many queries for fetching, insertion and updating of data, some of the queries are as under:

3.7.2.1. Insertion queries:

- **Register user query:**

```
use dbrfl;
insert into credential values('09faryala@seecs.edu.pk','farya@bit11',Null);
insert into User (id,fname,lname,Credential_email,dob,age,role)
values('8abc','Faryal','Arshad','09faryala@seecs.edu.pk','1990-04-01',23,'s');
```

- **Insert Education:**

```
use dbrfl;
insert into education values (null,'70%',1,0,'2005','2007',null,'8abc',1,1);
insert into education values (null,'80%',1,0,'2007','2009',null,'8abc',2,5);
insert into education values (null,'3.3',1,1,'2009','2013',null,'8abc',2,6);
```

3.7.2.2. Data fetch queries:

- **Fetching about me information on profile:**

```
select u.phoneno "Phone", c.email "Email", u.skype "Skype Id",
u.address "Address"
from user as u, credential as c
where u.credential_email=c.email and u.id='1abc';
select et.title "Education Level", e.degree_starting_date "From",
e.degree_completion_date "To", o.name "Institute", e.score "Score"
from user as u, education as e,education_type as et, organization as o
where u.id=e.user_id and e.education_type_id=et.id and
o.id=e.organization_id and u.id='1abc'
order by et.level;
```

- **Login user query:**

```
use dbrfl;
select email , password
from credential
where password='xyz@23463' and email='09bitmjameela@seecs.edu.pk';
```

3.7.2.3. Update queries:

- **Update education query:**

```
update education as e
set e.education_type_id=3,e.organization_id=3,e.score='78%',
e.degree_starting_date='2005',e.degree_completion_date='2007'
where e.user_id='1abc' and e.organization_id=1;
```

- **Update extracurricular activity:**

```
use dbrfl;
update activities as a
set a.title='Nastec', a.description='Acoomadtion ', a.organization_id=6
where a.id='9' and a.discriminator='E';
update extra_curricular as ec, user_has_extra_curricular as uhec,user as u
set ec.starting_date='2012-02-01', ec.ending_date='2013-03-01',
ec.completed=0,ec.extra_curricular_type_id=2
where ec.activities_id=9 and
ec.activities_id=uhec.extra_curricular_activities_id
and u.id=uhec.user_id and u.id='1abc';
```

3.7.2.4. Insertion and selection queries:

- **Work insertion query:**

When user enters his work experience then more than one queries run behind because there are many associate entities. It firstly retrieves id of selected organization to insert in Organization_has_activities.

```
select id
from organization
where name='Station School';
```

Then insert the work in activity.

```
insert into activities values(null,'Assistant','Principal Assistant',null,'W',2);
```

Find out the id of corresponding activity and insert that id in work entity.

```
use dbrfl;
```

```
Select id from activities where title='Assistant';
```

Inserting the id retrieved from above query in work entity.

```
use dbrfl;
```

```
insert into work values(22,'2007-08-01','2007-12-01',1,null,'8abc',1);
```


IMPLEMENTATION

4. System Features:

4.1. Functional Requirement:

Resudemic is the portal which has number of features to facilitate the young graduate to make entry level targeted resume profile. Portal is built in HTML 5 so it can be platform independent. Bootstrap responsive framework is used to make it more of usable and user friendly

4.1.1. Index page:

Index page has gallery and people feature for employers. They can search people and can view projects and activities in gallery. The login feature let registered user to access their profile on Resudemic. This gives them all the rights of editing their profile and uploading their details as legitimate user.

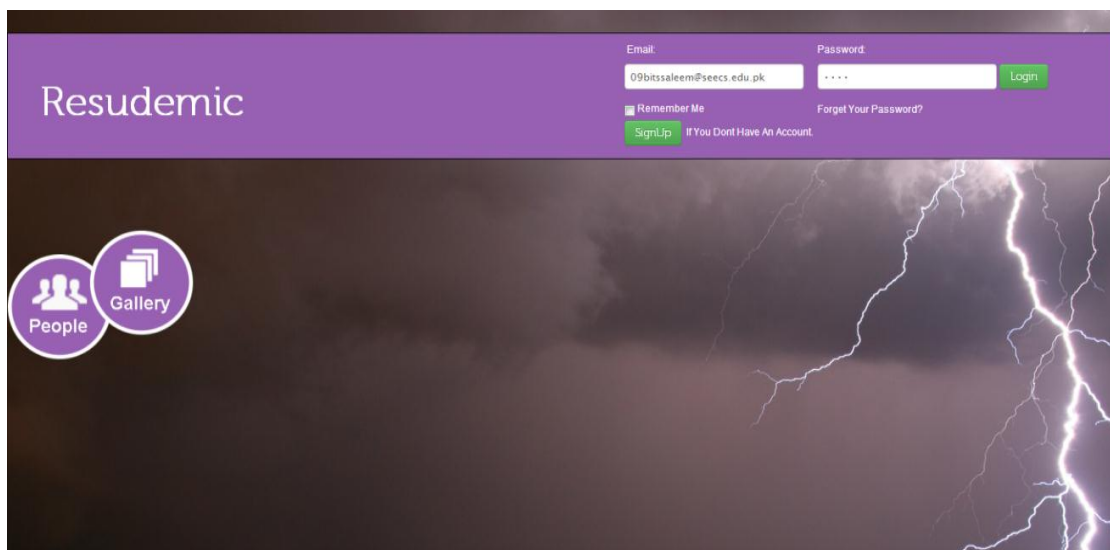
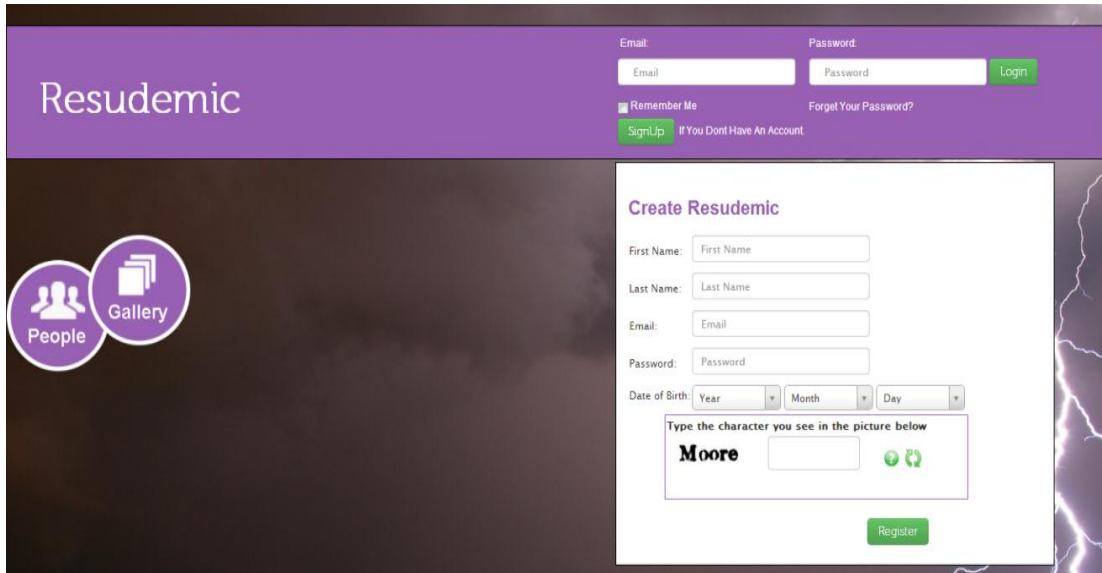


Figure 4.1: Resudemic Index

The person who want to be member of Resudemic click on the signup for registration purpose than a signup form open for him as shown in figure below.



The screenshot displays the Resudemic website's user interface. At the top left, the 'Resudemic' logo is visible. To the right, there are input fields for 'Email' and 'Password', a 'Login' button, and a 'Remember Me' checkbox. Below these is a 'SignUp' button with the text 'If You Dont Have An Account.' and a link for 'Forgot Your Password?'. On the left side, there are two circular icons labeled 'People' and 'Gallery'. The main content area is titled 'Create Resudemic' and contains a registration form with fields for 'First Name', 'Last Name', 'Email', 'Password', and 'Date of Birth' (with dropdowns for Year, Month, and Day). A CAPTCHA image shows the word 'Moore' with a text input field and a 'Register' button below it.

Figure 4.2: Resudemic Signup

4.1.2. Gallery:

Resudemic shows gallery of activities like project, work and extra-curricular activities one has performed. Feature made it easier for the employers to find out the potential and expertise they are looking for.

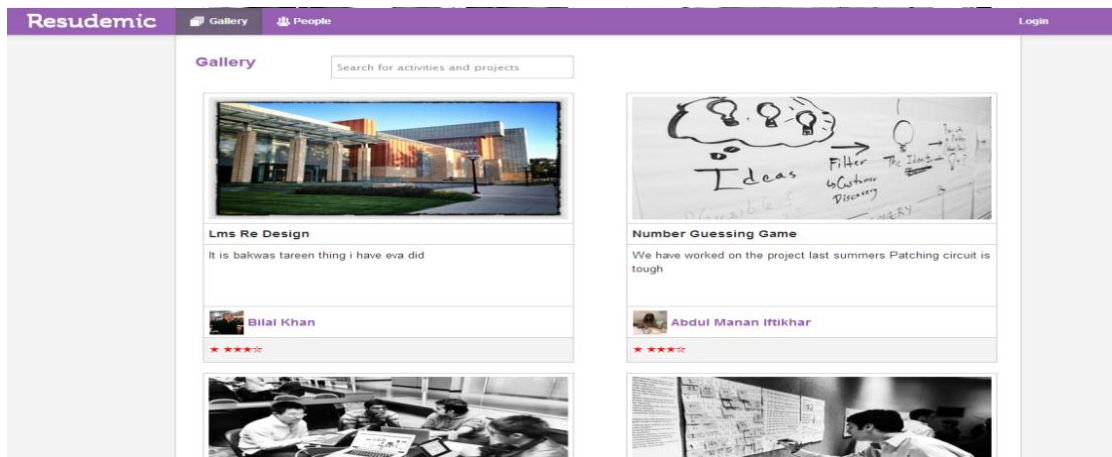


Figure 4.3: Resudemic Gallery

Employers can search any type of activity by its title and through alphabets.

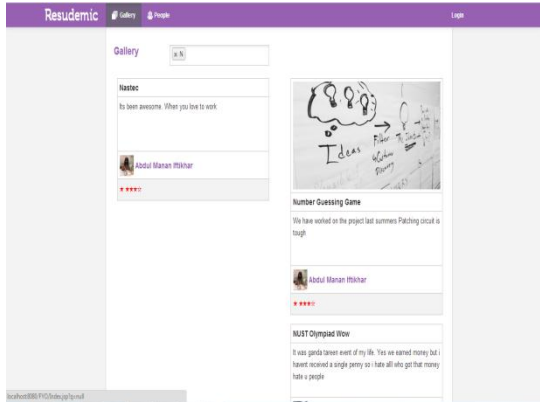


Figure 4.5: Search Results

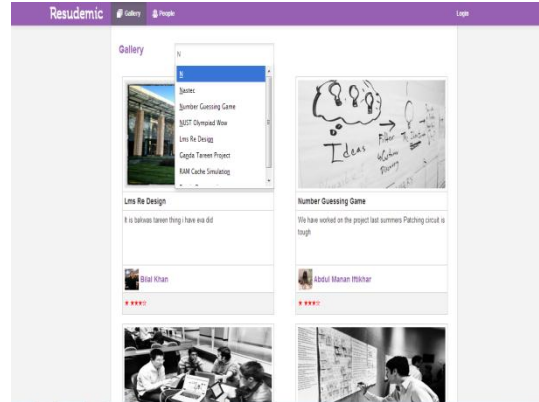


Figure 4.4: Search Gallery

4.1.3. People:

People page facilitate employers to search people related to any field. They can search people by their name and then they can view their profiles and can contact them.

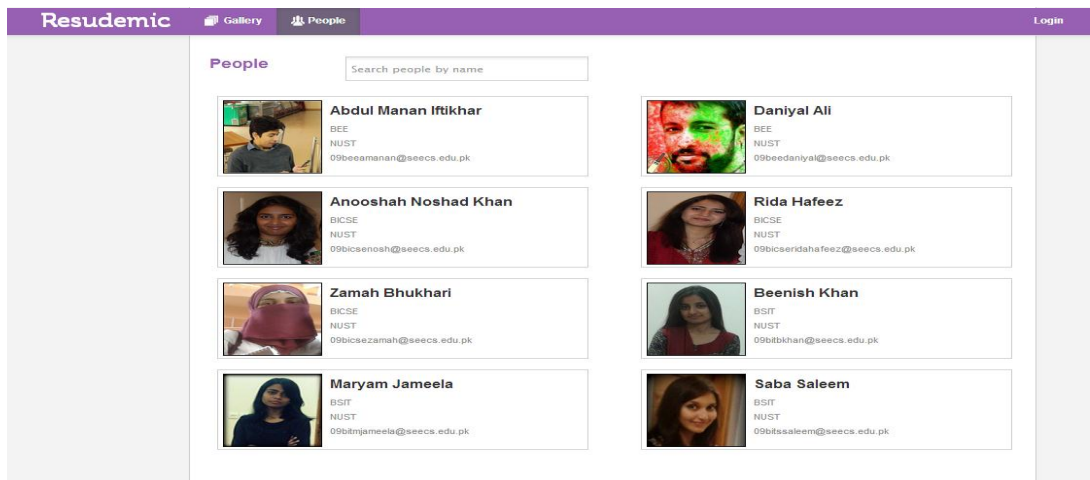


Figure 4.6: Resudemic People

Searching filed refine the search through alphabets. User enters A in search filed the all people whom names starts with A will be the result.

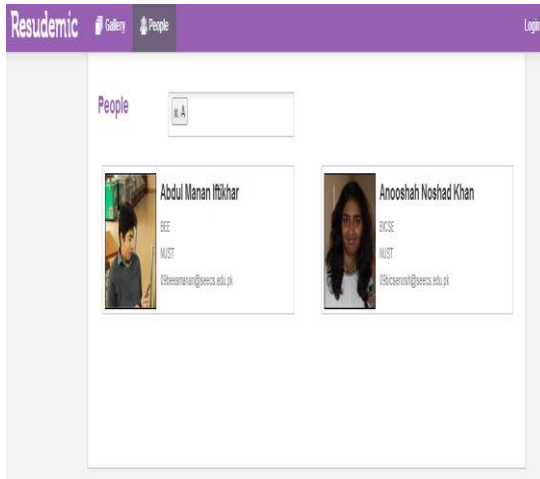


Figure 4.7: Search Results

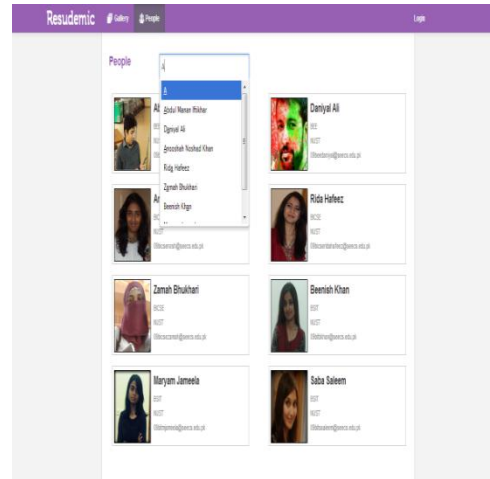


Figure 4.8: Search People

4.1.4. Collecting information:

When user gets registered then they pass through some forms which collect some basic information from the user. Users can skip the step if they don't have information of that part and later on they can update it. Resudemic takes following 5 types of information from the user:

I. Personal information

Here you upload your profile picture, add your address, phone number and Skype id.

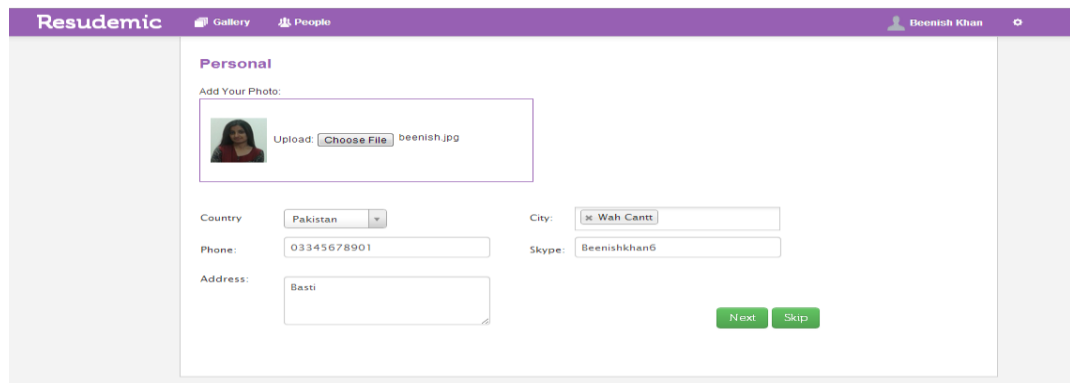
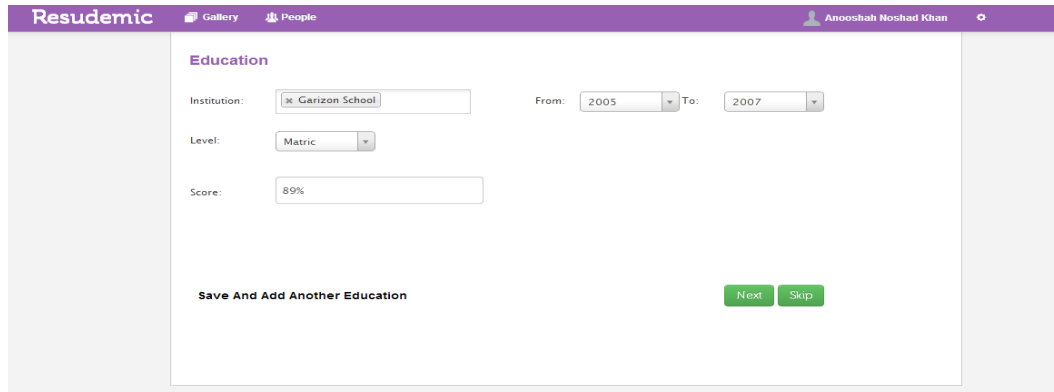


Figure 4.9: Personal Information

II. Education

You add your education of any SSC, HSSC etc. level and then add institution name, and score in that particular level. For adding another education level you click on **“Save and add another Education”**. This option clears all fields and save previously added education.

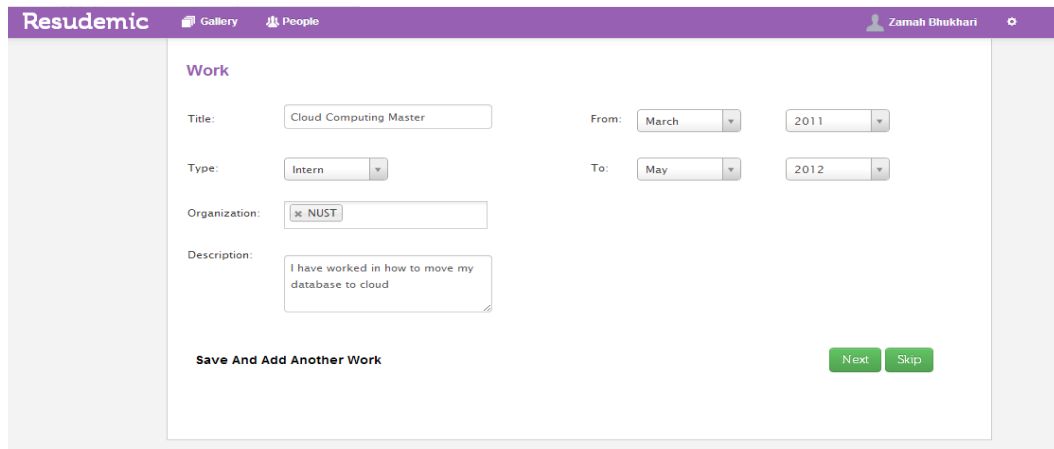


The screenshot shows the 'Education' form in the Resudemic application. The form is titled 'Education' and is located within a purple header bar that includes the Resudemic logo, navigation links for 'Gallery' and 'People', and a user profile for 'Anooshah Noshad Khan'. The form fields are: 'Institution' (text input with 'Garizon School'), 'From' (month/year dropdown with '2005'), 'To' (month/year dropdown with '2007'), 'Level' (dropdown menu with 'Matric'), and 'Score' (text input with '89%'). At the bottom of the form, there is a 'Save And Add Another Education' button and two green buttons labeled 'Next' and 'Skip'.

Figure 4.10: Education

III. Work

You add your UG work experience such as Internship, teaching Assistant or Research Assistant or any full time job. This gives the idea of your hands on experience to employers. You add your work by giving title and duration of work. Name of organization for whom you worked and description of work is added here.



The screenshot shows the 'Work' form in the Resudemic application. The form is titled 'Work' and is located within a purple header bar that includes the Resudemic logo, navigation links for 'Gallery' and 'People', and a user profile for 'Zamah Bhukhari'. The form fields are: 'Title' (text input with 'Cloud Computing Master'), 'From' (month/year dropdown with 'March' and '2011'), 'To' (month/year dropdown with 'May' and '2012'), 'Type' (dropdown menu with 'Intern'), 'Organization' (text input with 'NUST'), and 'Description' (text area with 'I have worked in how to move my database to cloud'). At the bottom of the form, there is a 'Save And Add Another Work' button and two green buttons labeled 'Next' and 'Skip'.

Figure 4.11: Work

IV. *Extra-Curricular*

Many Employers specially the multinational companies have huge concern to know about your extracurricular activities we give you an option to mention them as well so the employers can know your fun loving person as well. Here we collect title, type, duration of extra-curricular, and your role in the activity, organization of activity and description.

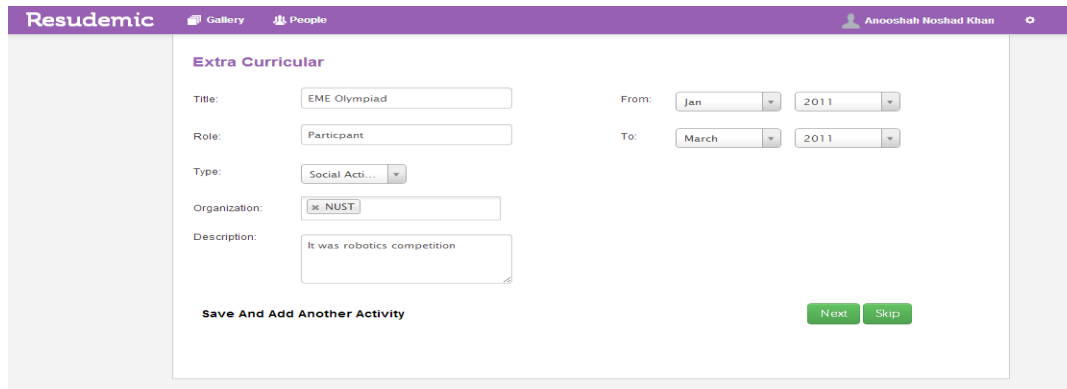


Figure 4.12: Extra-Curricular

V. *Project Information*

The actual potential describing factor of a fresh graduate are the projects they have done throughout their degree. This can truly showcase their expertise. This page collects 3 type of information related to project.

- **Description:**

This option takes tile of project, your role in project, course in which project is done and description of project. You can add member of this project.

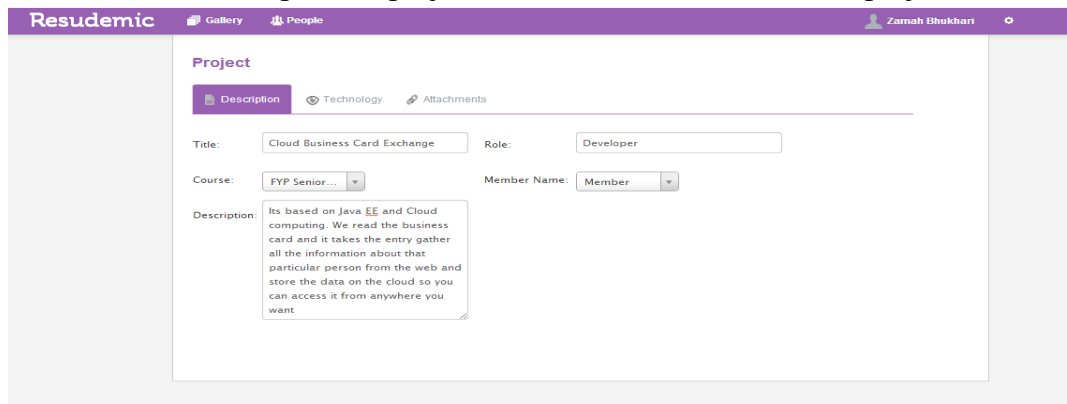


Figure 4.13: Project Description

- **Technology:**

This tab is used to tell the expertise of the user in technology, methodology and tools. So the employer can use the information to estimate the potential of candidate. This tab collects type of the project, technology of project, tool used to develop project and methodology used in the project. You can select option from the given menu and can add new one.

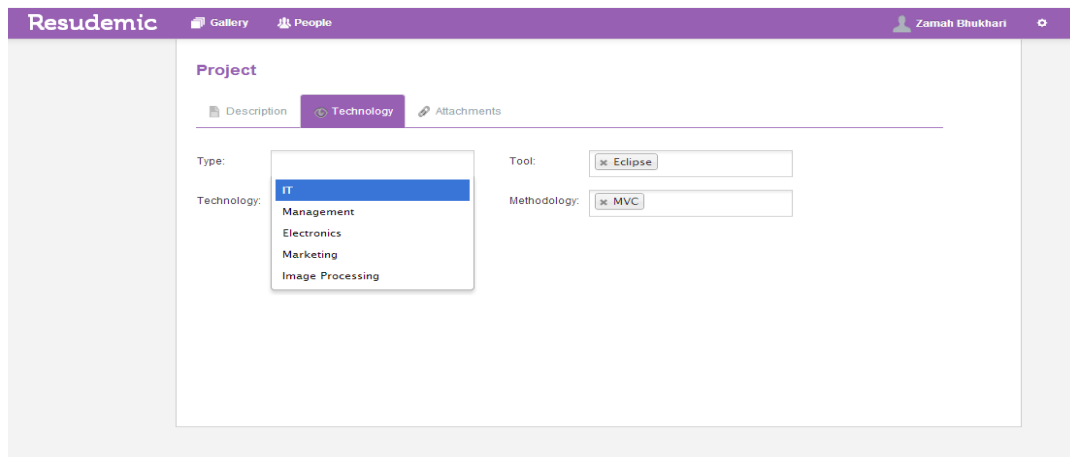


Figure 4.14: Project Technology

- **Attachments:**

Image files related to projects are attached here that will be displayed in gallery and profile. Clicking on publish work leads you on your profile.

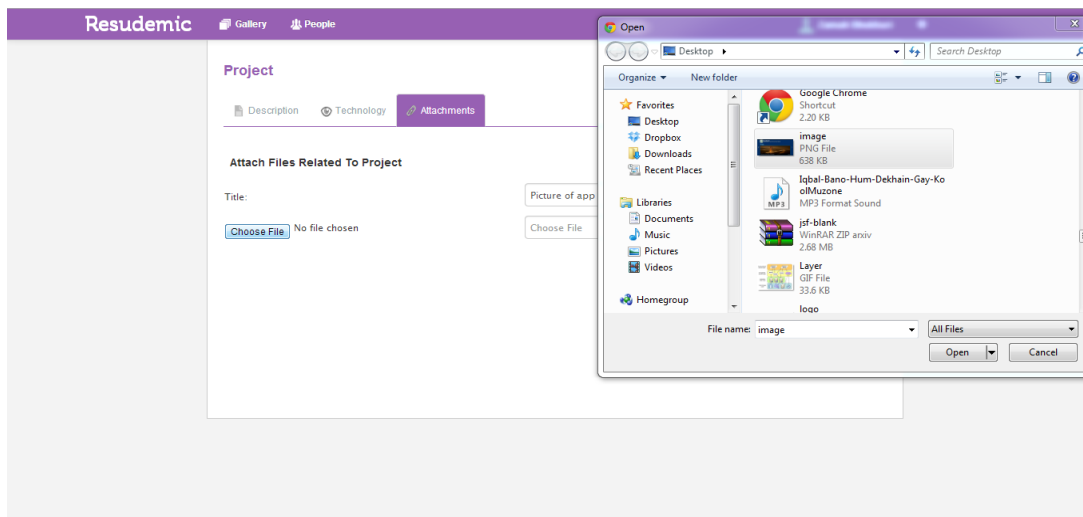


Figure 4.15: Project Attachments

4.1.5. Profile:

When you pass through above pages then your profile builds. Your profile covers all of your projects, work, activities and personal information. Add Project, Add Work and Add Activity in their respective tabs allow you to add more activities. Edit and Add Activity in their respective tabs allow you to add more activities. Edit feature let you to update your profile. Clicking on detail leads you on detail of that particular activity and project. Other users can join your project and activity.



Figure 4.16: Resudemic Profile

4.1.6. Quick Navigation:

When you are logged in the system then this navigation feature facilitates you to quickly navigate on your specific activity while you are viewing gallery or people. If you click on my project the project tab of profile page will be active if you click on the work the profile page will be open with work tab active

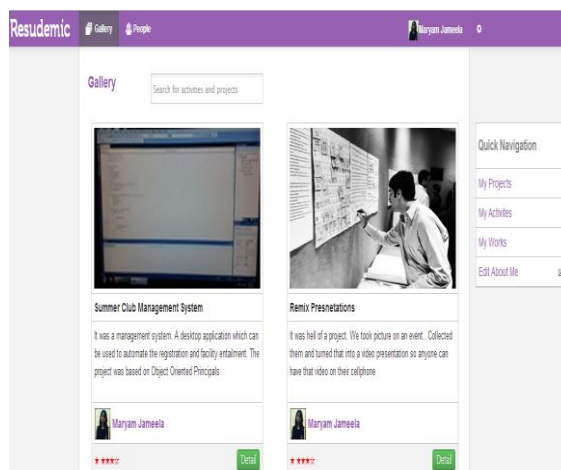


Figure 4.18: Quick Navigation

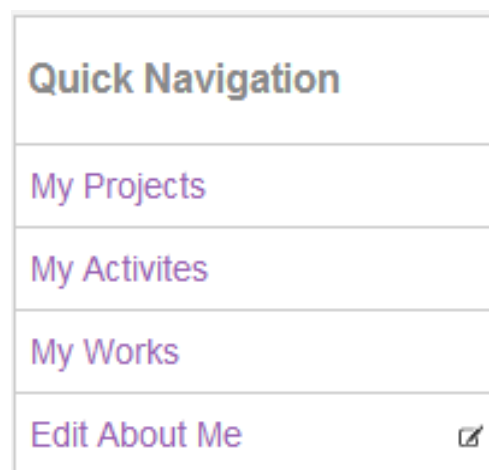


Figure 4.17: Navigation pane

4.1.7. Join:

Join facilitate you to join the activity and project of other members if you were part of that one by adding your role in that certain project and activity. This will add you in team list.

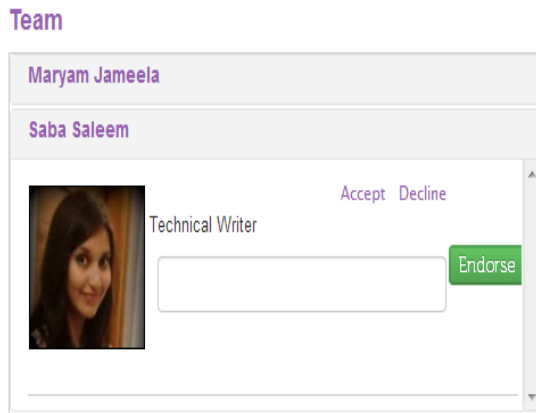


Figure 4.20: Member in Team

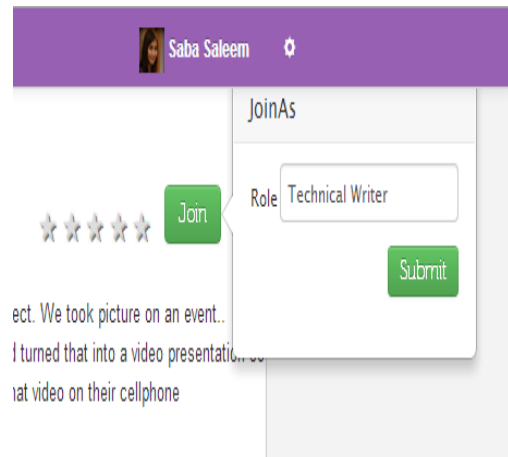


Figure 4.19: JoinAs

4.1.8. Rating:

When Resudemic members visit your profile then they can rate your project, activity or work. Gallery and profile of people show the rated work.

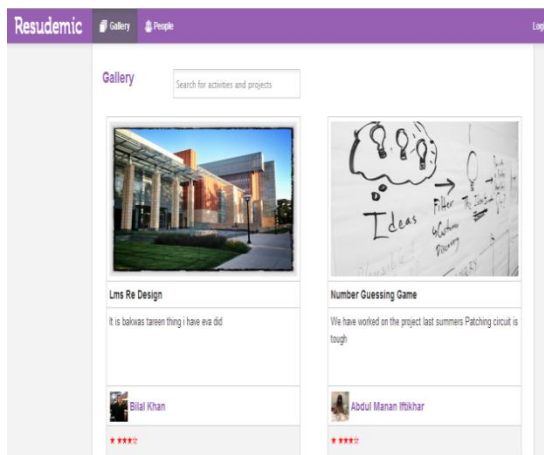


Figure 4.21: Rating in gallery

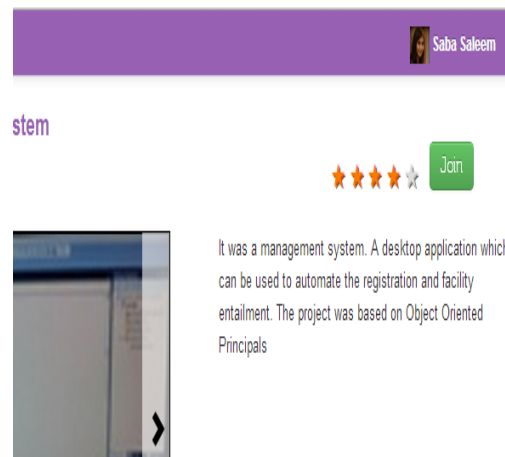


Figure 4.22: Rate Activity

4.1.9. Accept or Decline:

When you are owner of any project or activity and some other member join your project or activity then you receive accept or decline feature on that specific activity detail. Now it's up to you either decline or accept his joining. Only owner of the project can do that. Clicking on accept button will add project in the profile of the team member who have joined the project and clicking on decline will remove the team member who has joined the project.

Team

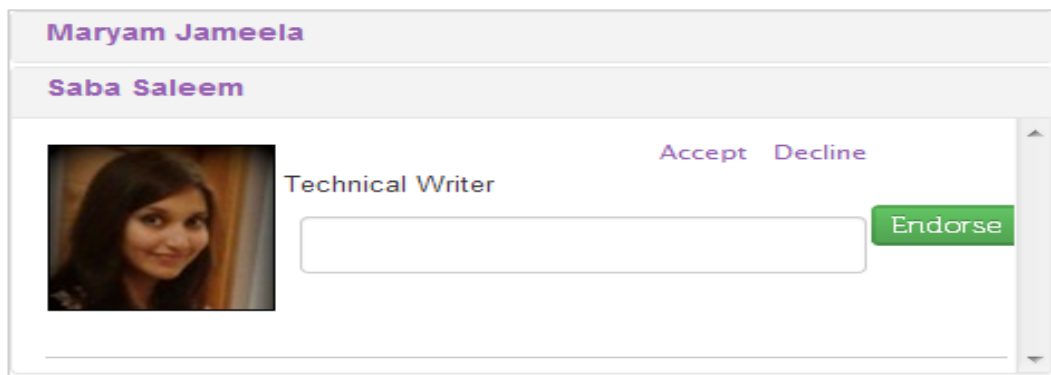


Figure 4.23: Accept or Decline

4.1.10. Endorsement and Report:

This feature ensures credibility of your work. People see your project and then they endorse by giving their comments. Report feature help you to report inappropriate comment.

Team

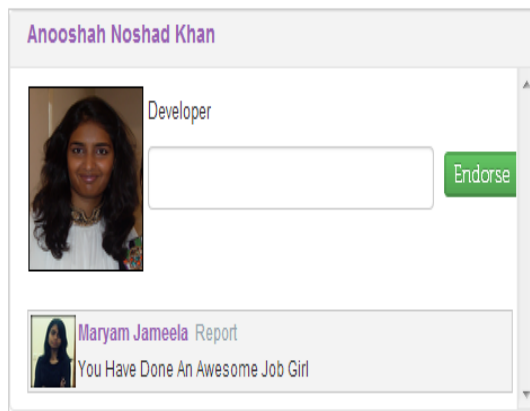


Figure 4.24: Report

Team

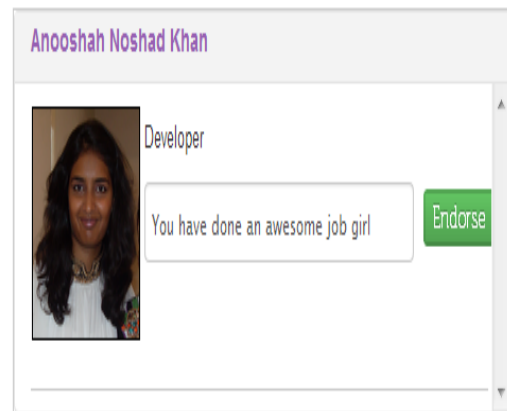


Figure 4.25: Endorsements

4.1.11. Update Profile:

Project, Activity and Work you can edit your title and description by clicking on profile page edit button or on detail page edit button. Editions are allowed on following features:

- **Account Settings:**

An overlay form is opened for you to change you current password.

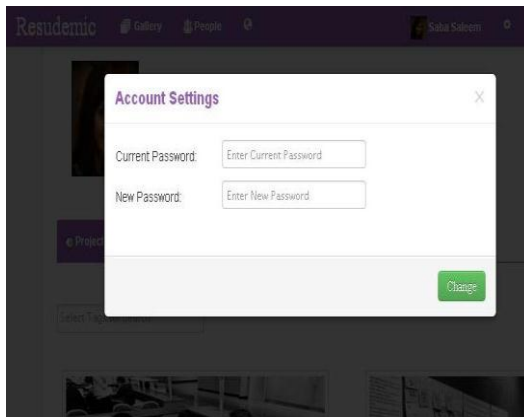


Figure 4.26: Account Setting Form

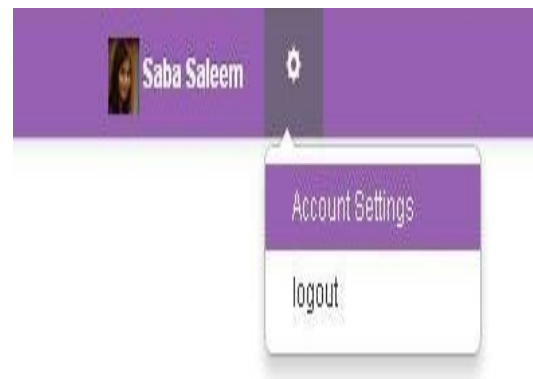


Figure 4.27: Account Settings

- **Update Personal Information and Education:**

Edit personal information and Edit education form can be access by clicking edit button on about tab. Here you can also change your profile picture.

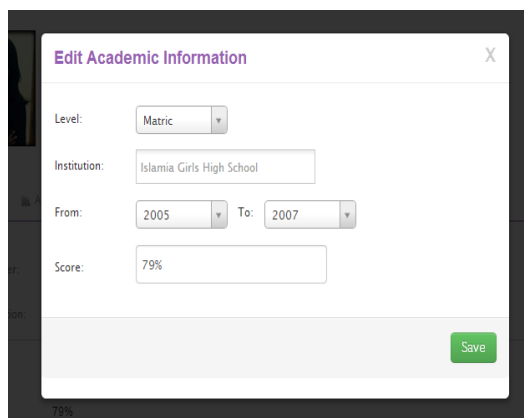


Figure 4.29: Edit Education

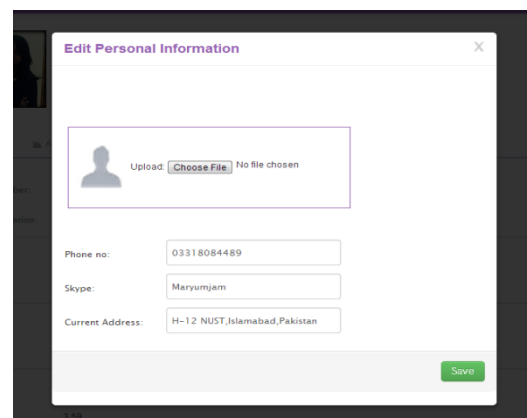


Figure 4.28: Edit Personal Information

- **Update Work, Extra Curricular Activities:**

You can change title and description of activity and work. Clicking on edit button let you make changes by submitting on edit forms.

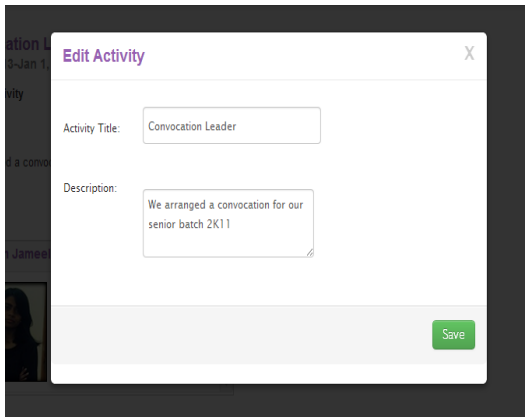


Figure 4.30: Edit Activity

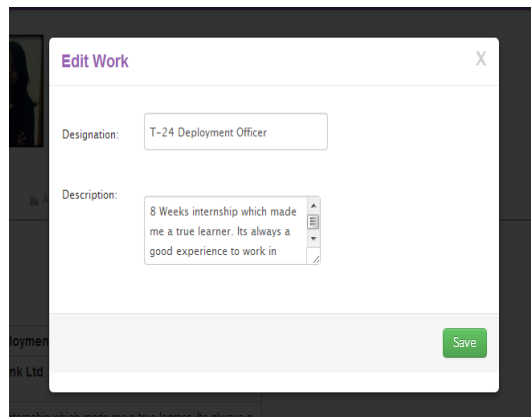


Figure 4.31: Edit Work

- **Update Project:**

Edit Project form opened when you click on edit button on your profile or on project detail page. You can add further project resources by clicking the attachment icon on project details page.

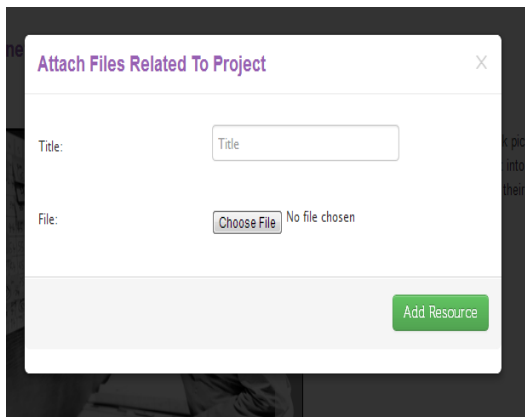


Figure 4.33: Add Project Resources

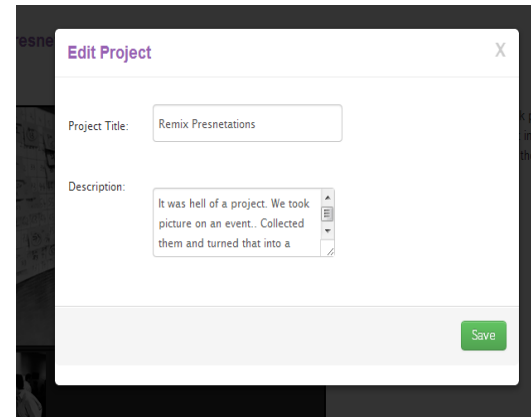


Figure 4.32: Edit Project

- **Logout:**

Clicking on logout destroys your session and leads you on index page.

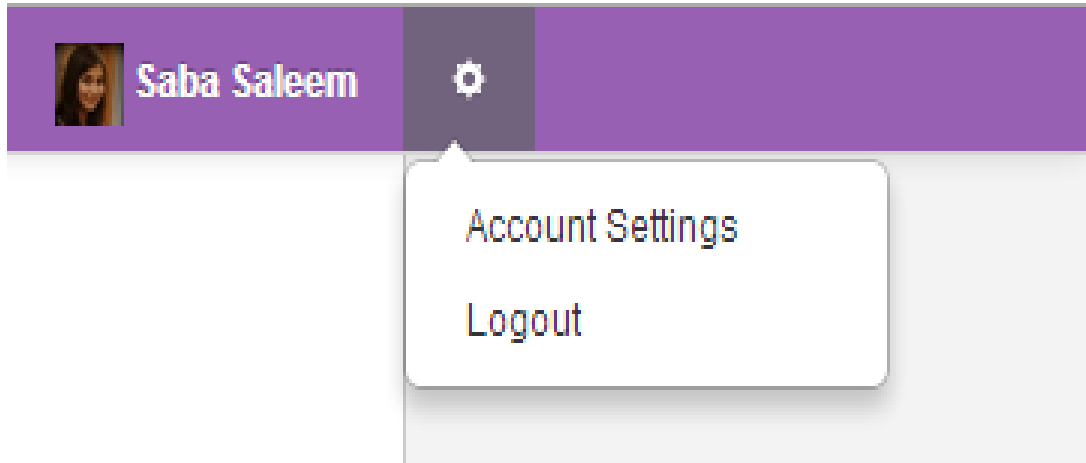


Figure 4.34: Logout

4.1.12. Client Side Validation:

To save load on the server client side validation using JavaScript and jQuery is performed. Validation is accomplished on submit event of form, which allows to run JavaScript code to handle form validation when user attempts to submit the form. If validation function return false on submit, web browsers will not proceed with submitting the form and show an error message to user, which prompt user to correct any errors before submission.

CONCLUSION

5. Results and Discussion:

Joining job portal for searching jobs become requirement of this digital era. People follow job portals and social networks to seek a dream job rather purchasing newspaper daily. They build resume there and then send them where they want.

Today, job portals target professionals to build their resume and create their profiles. Most of them are not targeting fresh graduates who have no professional experience to show. In this era everyone wants to save his time and prefer simplicity, speed and efficiency so many of the people avoid to follow portals because of their gluts of menus and option are very time consuming and it makes the user annoy.

Hence, Resudemic solves all these problems by providing gateway to the fresh graduates for making their profiles and resume. It is so simple and efficient in use. Resudemic use incremental resume building approach for building resume throughout academic and job period of user. It gives complete academic portfolio. It facilitates both the student and the industry.

RECOMENDATIONS

6. Suggestions:

Resudemic solves the problem of students by providing them user friendly platform which other portals are not providing. In future following things can be added to make it smarter.

Job Search:

Job searching functionality can be added in the portal to ease users to search any type of job through advance searching or tag searching mechanism.

Messages:

Notification must be send to user when his project or activity is joined by some other member, when he gets endorsed, or when his request to join project or activity is accepted or declined.

Notification can be added to allow user to send personal message to other person whom he want to contact rather than sending email or calling them. In this way user can exchange link of others profiles as well as attachments easily.

Personal Network

As everyone like to maintain his private list of contacts to whom they want to be connected. So personal networking can be add on Resudemic so that whenever user search people then he connect and add them into his personal network.

REFERENCES

- 1) <http://seelio.com/>
- 2) <http://www.roseindia.net/>
- 3) <http://www.iconfinder.com/>
- 4) <http://www.linkedin.com/>
- 5) <http://twitter.github.io/bootstrap/index.html>
- 6) <http://www.jobzo.com/>
- 7) <http://www.nokri.com.pk/>
- 8) <http://www.rozee.pk/>
- 9) <http://www.skilpages.com/>