Rayat Shikshan Sanstha's

Project Report on

Resume Builder

For

S.M.Joshi College, Hadapsar ,Pune 28.

Submitted To

Department of Master of Computer Science

Savitribai Phule Pune University, Pune

In the partial fulfillment of the award of degree

Master Of Computer Science(CS)

Submitted by,

Ashish Shankar Patil

Under the guidance of

(Prof. Yadav Sangeeta)

Through,

The Head Department of Master of Computer Science(CS)

Pune University, Pune

"Education Through Self Help is Our **Motto**" **Year 2021-22**

Rayat Shikshan Sanstha's

S.M.Joshi College, Hadpsar

CERTIFICATE

This is to certify that,

Ashish Shankar Patil *has completed her work on project report entitled*

" Resume Builder *for the academic year of 2021-2022."*
for S.M.Joshi College,Hadapsar,Pune 28 in Visual Basic 6.0 in the partial fulfillment of the award of the degree "Master of Computer Science"(MCS–Sem-II) through Savitribai Phule Pune University, Pune.

This work has been carried out under my guidance to the bestof my knowledge and belief the matter presented in this project report has not been submitted earlier and it is his original work.

HEAD OF DEPARTMENT **EXTERNALEXEMINER**

PROJECT GUID **Principal**

Table of contents

Introduction to the project

1)Introduction:- The aim of this module is to collect data from the user; he may a job seeker or a job provider. Both of them are potential clients to Resume Art. A user should be registered regardless of whether he is a job seeker or a provider. In this module we register the user and collect as many details as possible about the user

An online resume builder is a software developed to simplify the task of creating a
resume for individuals. The application provides an effective means of designing
desired resume in fact a professional looking resume. The system is flexible to be
used and reduces the need of thinking and designing an appropriate resume
according to qualifications. Usually individuals get confused while creating a
resume especially for a novice person such as graduate students. They don't get a
clear idea of what things and information must be included in a resume. Hence the
system is developed to provide them an easy way for creating a professional
looking resume.
This project is user-friendly and requires minimum human intervention.
Individuals just have to fill up a form that specifies questions from all required

fields such as personal questions, educational, qualities, interest, skills and so on.
The answers provided by the users are stored and the system automatically
generates a well structured resume. Users have option to create resume in any
format and file.

2)Existing System

The existing system of the resume builder is prepared in the MS-Word Application software. The Format which is designed is manual. But creating different resume formats is not easy. To reduce the burden we have developed this software. The different processes involved are: ⎪ To maintain the details like personal, educational &skills. ⎪ To maintain the three default resume formats. ⎪ Select appropriate one and display the data in required format.

Drawbacks of the existing system The existing system has lot of problems such as ⎪ There is no database to store and retrieve the details from MS-Word ⎪ Time delay is more because we have to prepare the resume manually

3)Need and scope of system:-

Social and economic factor: a wave of social and economic changes often follows in the wake of the

new technology. New opportunities may arise to improve on a production process or to do

something that was not previously possible. Changes in the ways individuals are organized into

groups may then be necessary, and the new groups may complete for economic resources with

established units.

Proposed System

1)Objectives:-

The proposed system tries to solve the problems mentioned above. The main objective of the proposed system is to provide information instantly as and when it is required. The main objective is to make the DEVELOPMENT OF A FUTURE RICH RESUME BUILDER APPLICATION details more efficient. This system should maintain different data files and resume formats, so that the data can be retrieved easily and in an efficient manner. The system is very interactive. It should ensure process integration to the desired extent, various reports should be generated as the need be. This system should also ensure that there is no redundancy in the recorded data

2)Requirement Engineering:-

System analysis is an important activity that takes place when we are building a new information system or changing existing ones, analysis is used to gain an understanding of an existing system and what is required of it. At the conclusion of analysis, there is system description and set of requirements for a new system. If there is no existing system, the analysis defines only the requirements. System models are used to gain precision and to avoid the ambiguities often

found in the natural language system descriptions modeling techniques used in the system analysis avoids ambiguity by using precise modeling constructors and process descriptions. They also assist analysts to define precisely the requirement of the new system. Software tools that help analyst in their work now often support system analysis. These tolls are the models developed during analysis and some convert these models to trail designs. This phase is detailed appraisal of the existing system. The appraisal includes finding how the system works and what it does. It also includes system's problems and what the end-users required for any new or changed system. After this phase, analyst should be familiar with both the detailed operation of the system and what is required of the new system. Analysts must spend considerable time in examining components of exiting system. Analysis has to find out what information is send between the end – users and the staff. One of the most important factors in system analysis is to understand the system and its problems. A good understanding of the system enables designers to identify and correct problems and suggest realistic solutions for them. It also helps them to develop solutions that satisfy all users and thus make the new system acceptable in an organization. System users are the first information source investigated by the analysts. Form users it is to find out the existing system activities and to develop the user's objectives and requirements. a system analyst must spend a lot of time talking to users and finding how they use the system, Any problem they find with the system and what they expect from it

3)Requirement Gathering:-

It is concerned with cost savings, increased profits & reductions in efforts. It shows how much beneficial is the new developed system over the existing system.

System startup cost

PC with Pentium-4 Processor	Rs. 25,000/-
Line Printer	Rs. 6,500/-
Furniture Indirect cost for site preparation	Rs. 3,500/-
Purchase of Software	Rs. 10,000/-
	Rs. 45, 000/-

System operating costs

- Additional equipment (CDs, ribbons, power supply) maintenances
- Program maintenance
- Stationary

Total operating cost	Rs. 5,000/-

Total Cost of the Implementation of The Proposed System	Rs. 45,000/-
	Rs. 5,000/-
	Rs. 50,000/-

4)SRS:-

All projects are feasible – given unlimited resources and infinite time! Unfortunately, the development of computer-based system or product is more likely plagued by a scarcity of resources and difficult to generate default resume formats. It is both necessary and prudent to evaluate the feasibility of a project at the earliest possible time. Months or years of effort, thousands or millions of dollars, and untold professional embarrassment can be averted if an ill-conceived system is recognized early in the definition phase. Generally the feasibility study is used for determining the resource requirement cost, benefits and whether the proposed system is feasible with respect to the organization .The feasibility of proposed Automation of Resume Builder for Noble College of Computer Sciences could be evaluated as follows. There are three types of feasibility which are equally important. They are • Economical feasibility • Technical feasibility • Operational feasibility

1) Economical Feasibility Economical feasibility is concerned with cost savings, increased profits & reductions in efforts. It shows how much beneficial is the new developed system over the existing system
2) Technical Feasibility Technical feasibility deals with the existing technology, software and hardware requirements of the proposed system. The proposed system “DEVELOPMENT OF A FUTURE RICH RESUME BUILDER APPLICATION for Noble College of Computer Sciences” needs the following: -Personal computer with

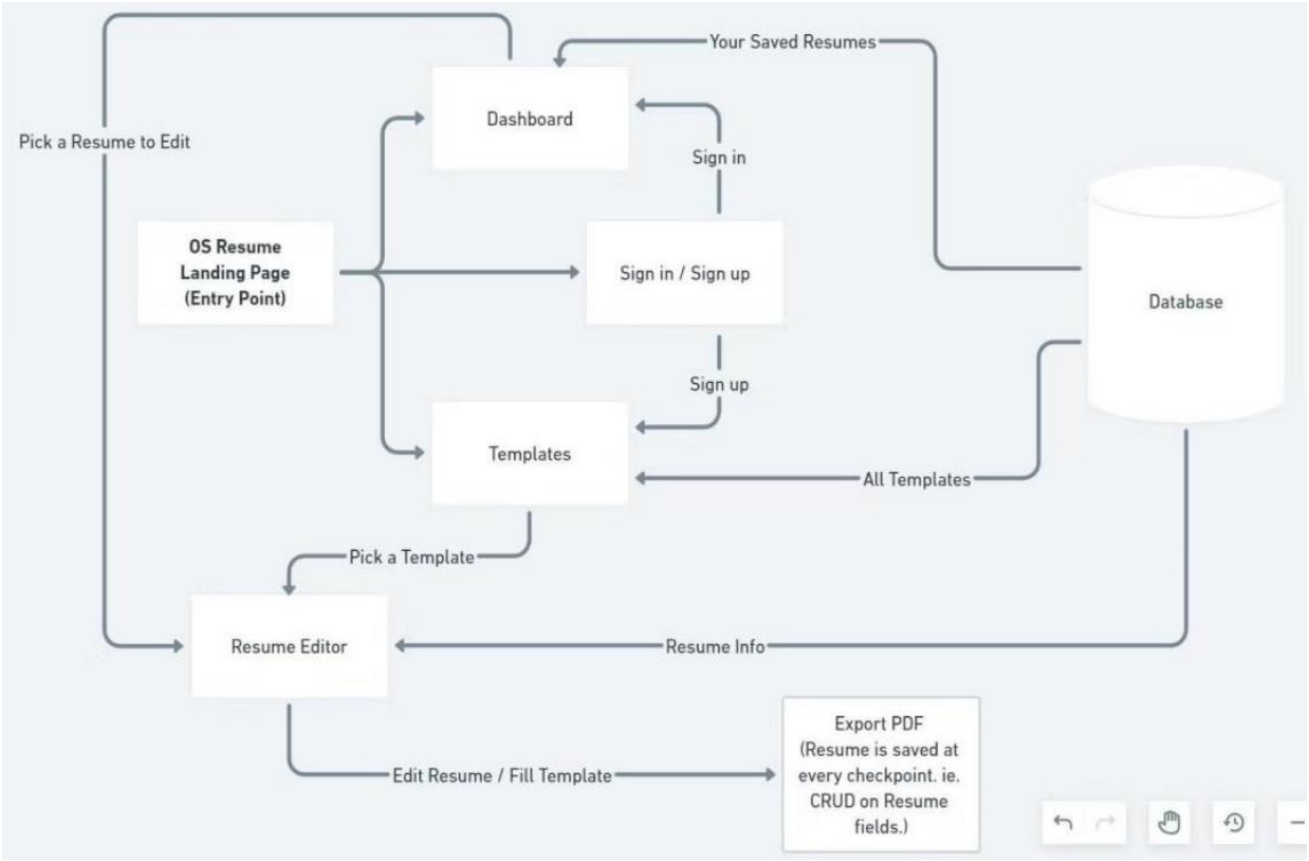
a Pentium-4 processor, 512 MB RAM. -Line printer - ORACLE for DB backend - JSP as front-end tool In order to implement the proposed system necessary technology will be acquired. Hence the proposed system is technically feasible.

3) Operational feasibility is the willingness & ability of the management, Employees, Students and others to use & support a proposed system. As concerned to the resume builder of Noble College of Computer Sciences, all the staff is in desperate need of a Computer Based Information System (CBIS) to reduce the manual effort & for accurate information. There is no difficulty in handling the system. There is full support from Management. So the system is operationally feasible. The proposed Computer Based Information System (CBIS) for Noble College of Computer Sciences is in no way inferior to the existing manual system and it yields better results than the present manual system. This system can give good support and makes the services easy.

System Analysis

System analysis will be performed to determine if it is feasible to design an information based on policies and plans of the organization and on user requirements and to eliminate the weaknesses of the present system. General requirements are: - 1. The new system should be cost effective. 2. To augment management, improve productivity and services. 3. To enhance User/System interface. 4. To improve information quality and usability. 5. To upgrade system's reliability, availability, flexibility and growth potential

1)Sytem Diagram:-



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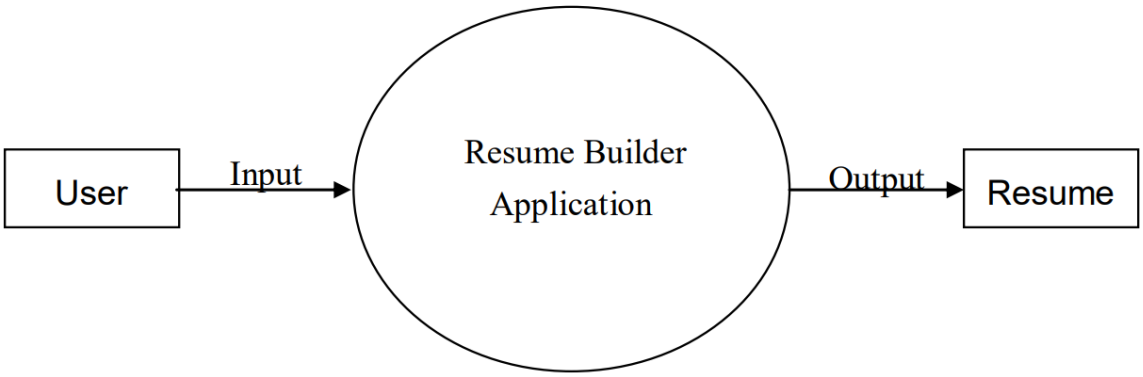
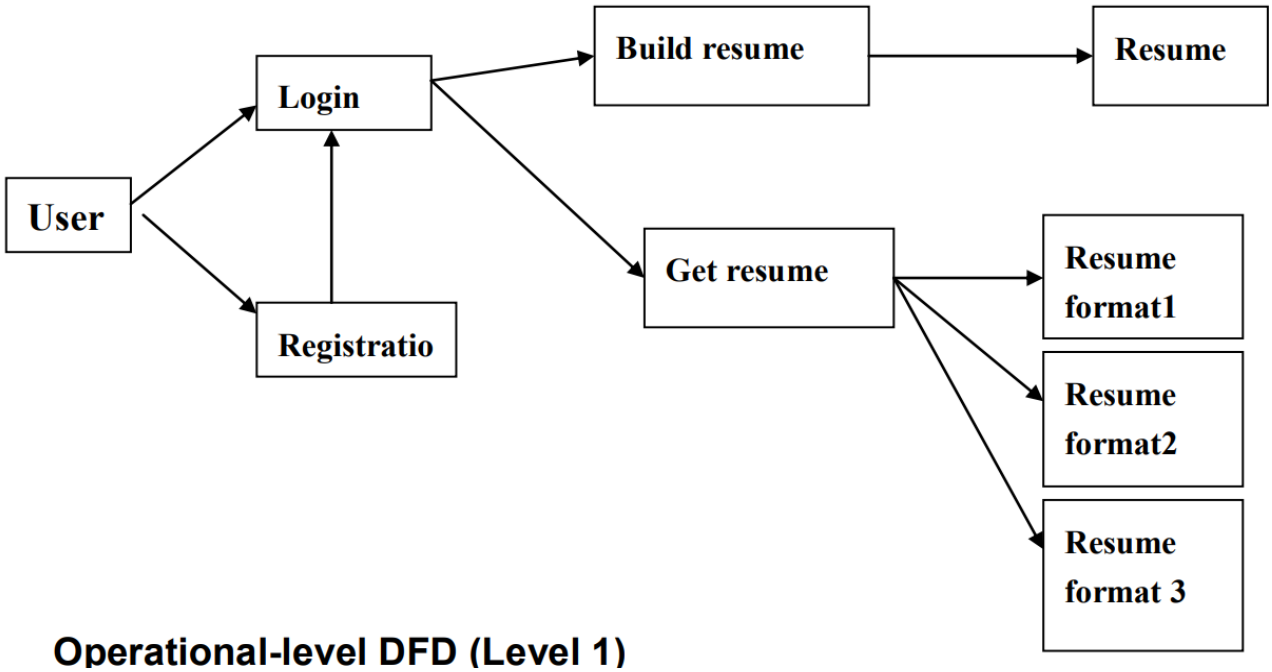


Context Level DFD (Level 0)

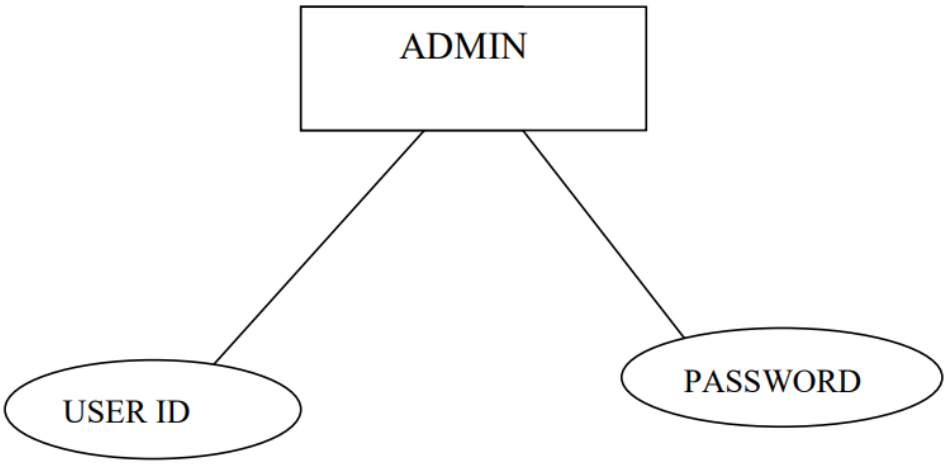
RESUME BUILDER (Data Flow Diagram)



Operational-level DFD (Level 1)

3)ER Diagram:-

ADMIN:



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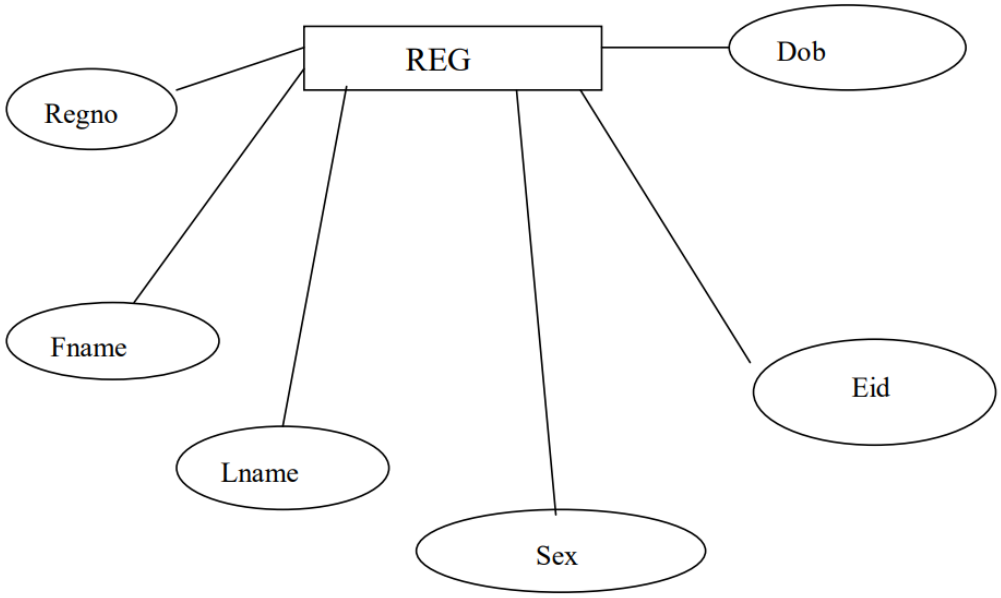

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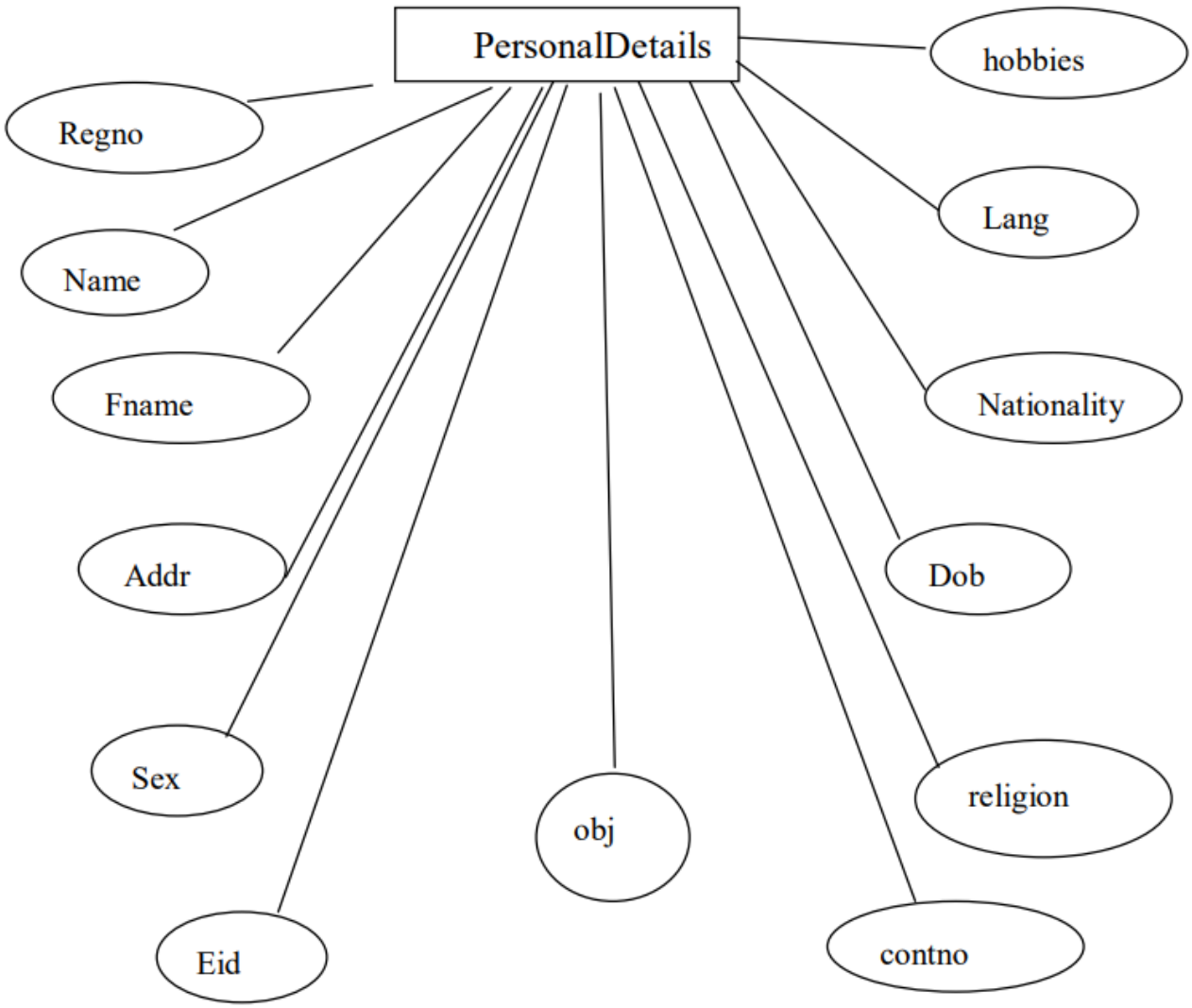
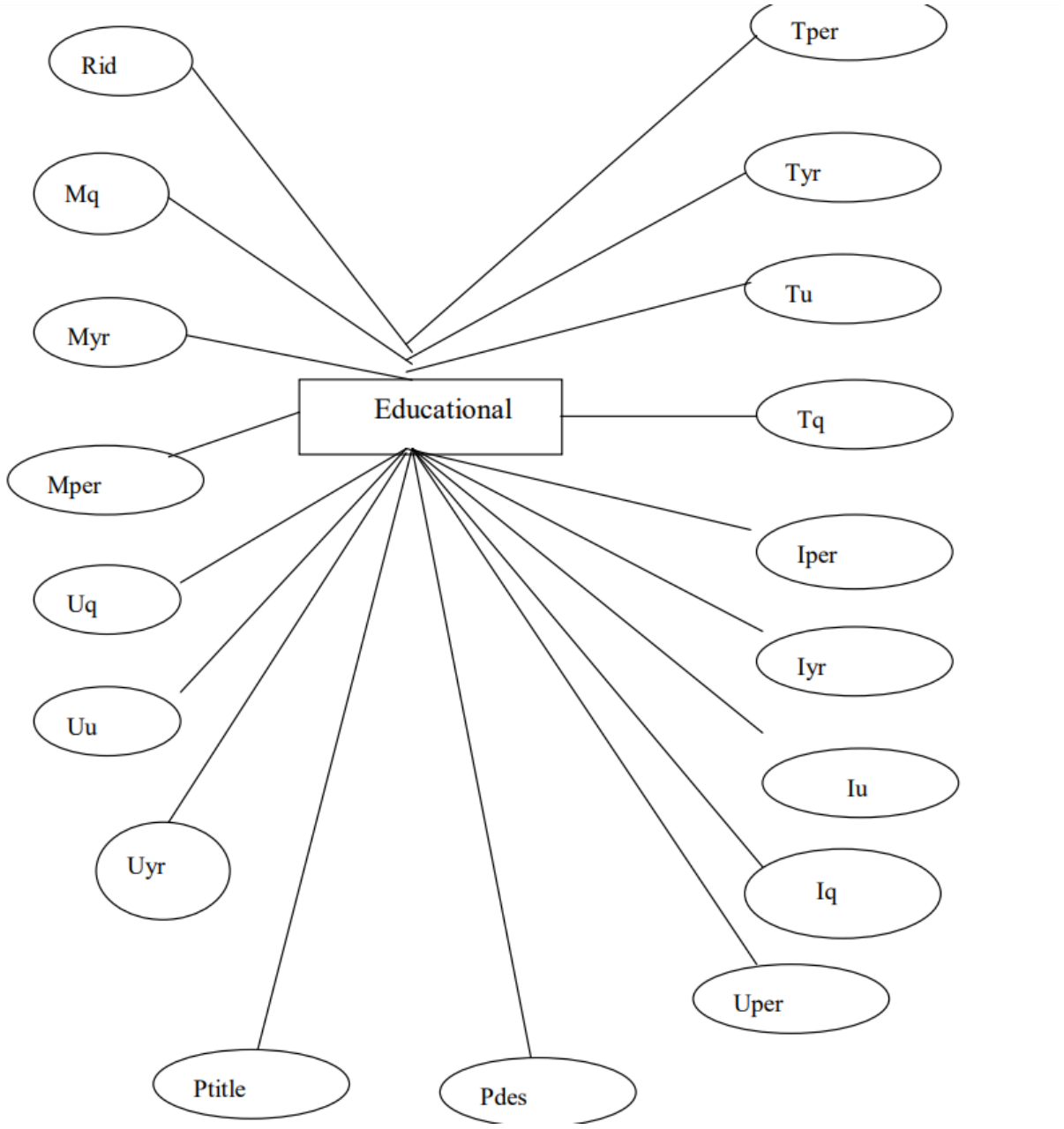
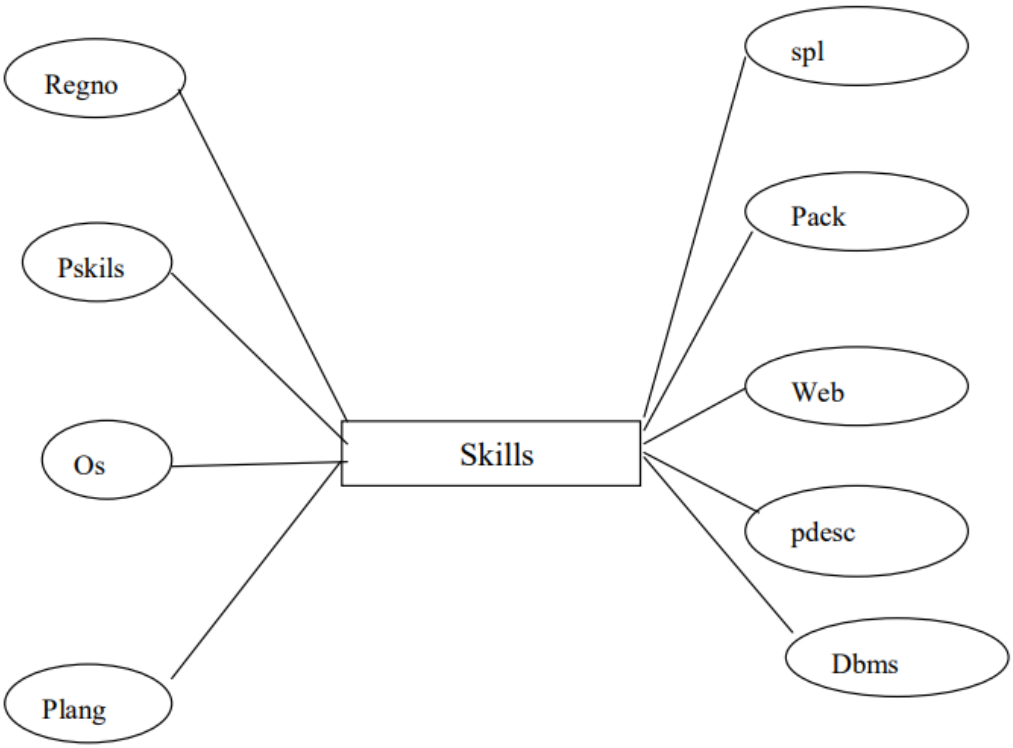


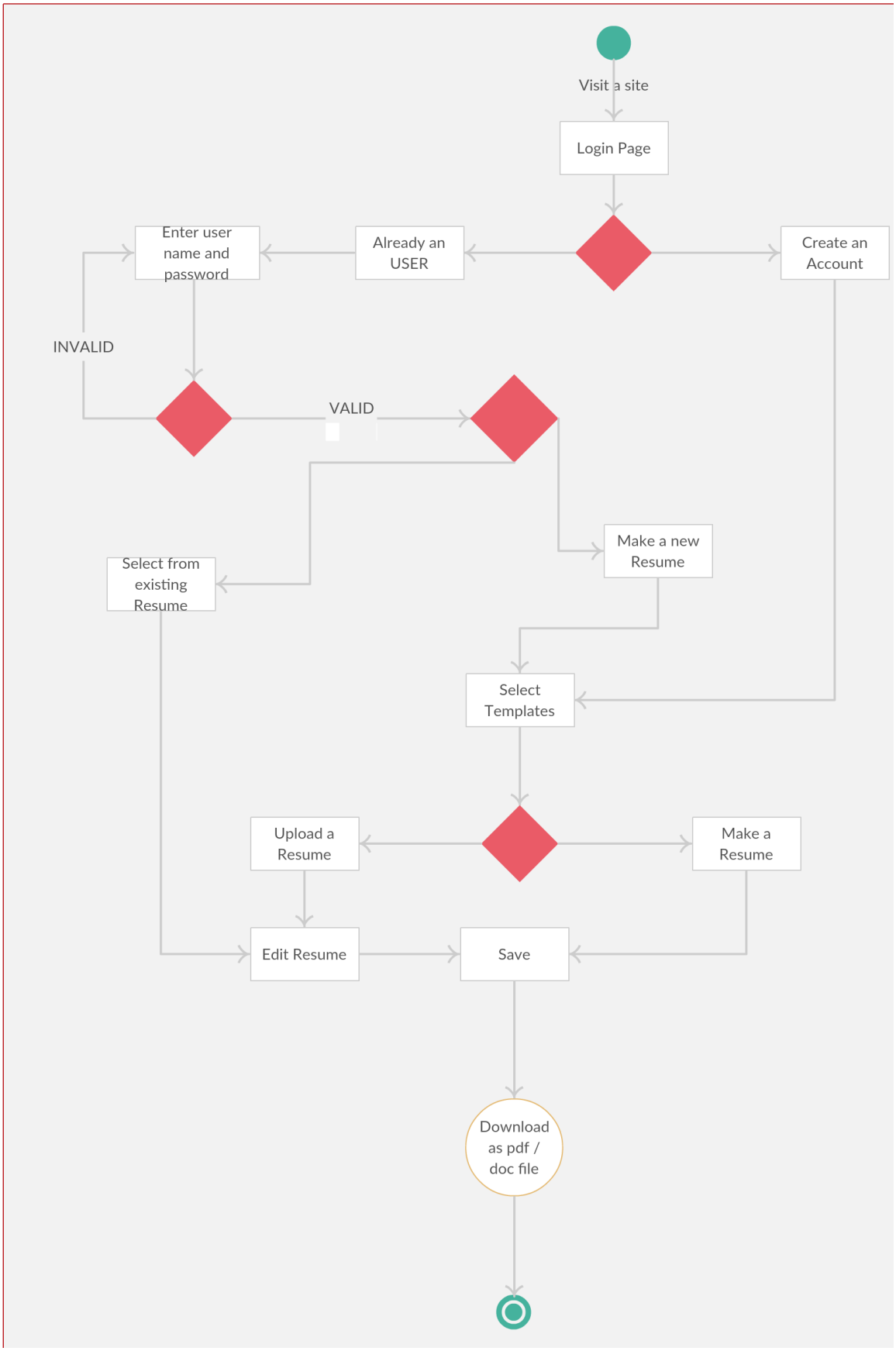
Educational Details:-



Skills:



4)UML Diagram:-


Visit a site
Login Page
Already an USER
Create an Account
Enter user name and password
INVALID
VALID
Make a new Resume
Select from existing Resume
Select Templates
Upload a Resume
Make a Resume
Edit Resume
Save
Download as pdf / doc file

System Design

Design is the first step in the development phase for any engineering product (or) system. It may be defined as " the process of applying various techniques and principles for the purpose of defining a device, a process, or a system insufficient detail to permit its physical realization". Software design is an iterative process through which requirements are translated into a 'Blue print' for constructing the software. The design is represented at a high level of abstraction, a level that can be directly translated to specific data, functional and behavioral requirements. Preliminary design is concerned with the transformation of requirements into a data and software architecture. Detail design focuses on refinements to the architectural representation. That leads to detailed Data structure and algorithmic representation for software. In the design step, the element of the analysis model gets converted into a data design, and architectural design, an interface design and a procedural design. The data design transforms the information domain model created during analysis into the data structures that will be required to implement software. The architectural design defines the relationship among major structural elements of the program. The interface design describes how the software communicates within itself, to systems that interoperate with it, and with humans who use it. An interface implies a flow of information (e.g., data and /pr control). Therefore, the data and control flow diagrams provide the information required for interface design.

Design Process Design process is in between the analysis and implementation process. The following design diagrams (data flow diagrams and E-R diagrams) make it easy to understand and implement. The design process of software system has two levels. 1. Systems Design or Top Level Design. 2. Detailed Design or Logical Design. System Design or Top Level Design: In the system design the focus is on deciding which modules are needed for the system, the specification of these modules and how these modules should be interconnected. Detailed Design or Logical Design: In detailed design the interconnection of the modules or how the specifications of the modules can be satisfied is decided . Some properties for a software system design are

• Verifiability. • Completeness. • Consistency. • Trace ability. • Simplicity/understandability.

1)Database Design :-

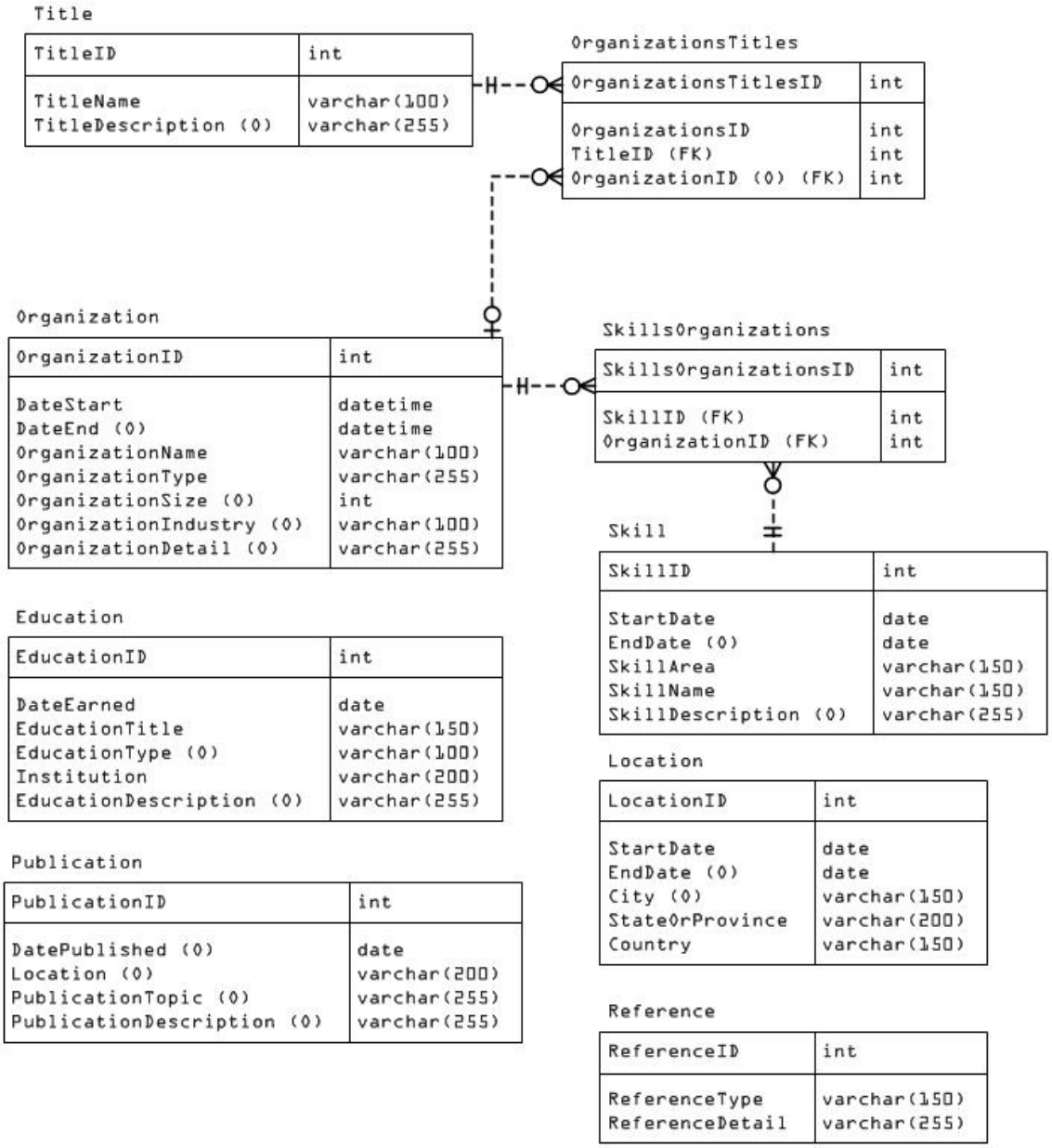
The goal of Database Design is to generate a set of relation schemes that allow us to store information without unnecessary redundancy and allows us to retrieve information easily. We can achieve optimization, ease of use in maintenance by designing the database using relational model between or among the tables.

♣ To reduce redundancy.

♣ To arrive at loss-less join.

♣ To reduce the time as compared to the present system.

♣ To reduce the number of errors



2)Input Design:-

Design principles:

Basic design principles that enable the software engineer to navigate the design process are. ¬ The design process should not suffer from “Tunnel vision”.

¬ The design should be traceable to the analysis model.

¬ The design should not reinvent the wheel.

¬ The design should minimize the intellectual distance between the Software and the problem, as it exists in the real would.

¬ The design should exhibit uniformity and integrity.

¬ The design should be structured to accommodate changes.

¬ The design is not coding. The coding is not a design.

¬ The design should be assessed for the quality, as it is being Create, not after the fact.

¬ The design should be reviewed to minimize the conceptual errors

Tables:

Table Name: Admin Table
Description: to store the user id & passwords

Field Name	Data Type	Size	Constraints
Userid	Varchar2	20	Primary key
Password	Varchar2	20	

Table Name: Registration Table
Description: to store all the details of the person

Field Name	Data Type	Size	Constraints
Regno	Number	5	PrimaryKey
Fname	Varchar2	20	
Lname	Varchar2	20	
Gender	Varchar2	10	
Dob	Date/Time	15	
Eid	Varchar2	30	
Userid	Varchar2	25	
Password	Varchar2	25	

Table Name: Skills Table
Description: To store all details of the employee

Field Name	Data Type	Size	constraint
Regno	**Number**	**4**	**PrimaryKey**
Pskills	**Varchar2**	**200**	
Os	**Varchar2**	**30**	
Plang	**Varchar2**	**40**	
Dbms	**Varchar2**	**30**	
Web	**Varchar2**	**30**	
Pack	**Varchar2**	**30**	
Spl	**Varchar2**	**20**	
Declar	**Varchar2**	**50**	

Table Name: Personal details Table
Description: To store all details of the persons

Field Name	Data Type	Size	Constraints
Regno	Number	4	Primary key
Fname	**Varchar2**	20	
Lname	**Varchar2**	10	
Adder	**Varchar2**	100	
Gender	**Varchar2**	9	
Dob	Date/time		
Nationality	**Varchar2**	15	
Religion	**Varchar2**	15	
Hobbies	**Varchar2**	100	
Languages	**Varchar2**	30	
Email	**Varchar2**	30	
Contno	Number	20	
Obj	**Varchar2**	200	

Table Name: Educational Details Table
Description: To store all details of the employee

Field name	Data Type	Size	Constraint
Regno	Number	5	Primary key
Mqual	**Varchar2**	15	
Mdur	**Varchar2**	15	
Muni	**Varchar2**	8	
Mper	**Varchar2**	4	
Bqual	**Varchar2**	10	
Bdur	**Varchar2**	20	
Buni	**Varchar2**	8	
Bper	**Varchar2**	4	
Ssc	**Varchar2**	15	
Sdur	**Varchar2**	15	
Sedu	**Varchar2**	8	
Sper	**Varchar2**	4	
Exp	**Varchar2**	**30**	
Ptitle	**Varchar2**	10	
Pdes	**Varchar2**	8	

Implementation

System Requirements:-

1)Software Requirements:-

Operating System : Windows 7/8 or Linux

User Interface : HTML, CSS

Client-side Scripting : JavaScript

Programming Language : Python

Web Technologies : Django

IDE/Workbench : Visual Studio Code

Database : SQLite

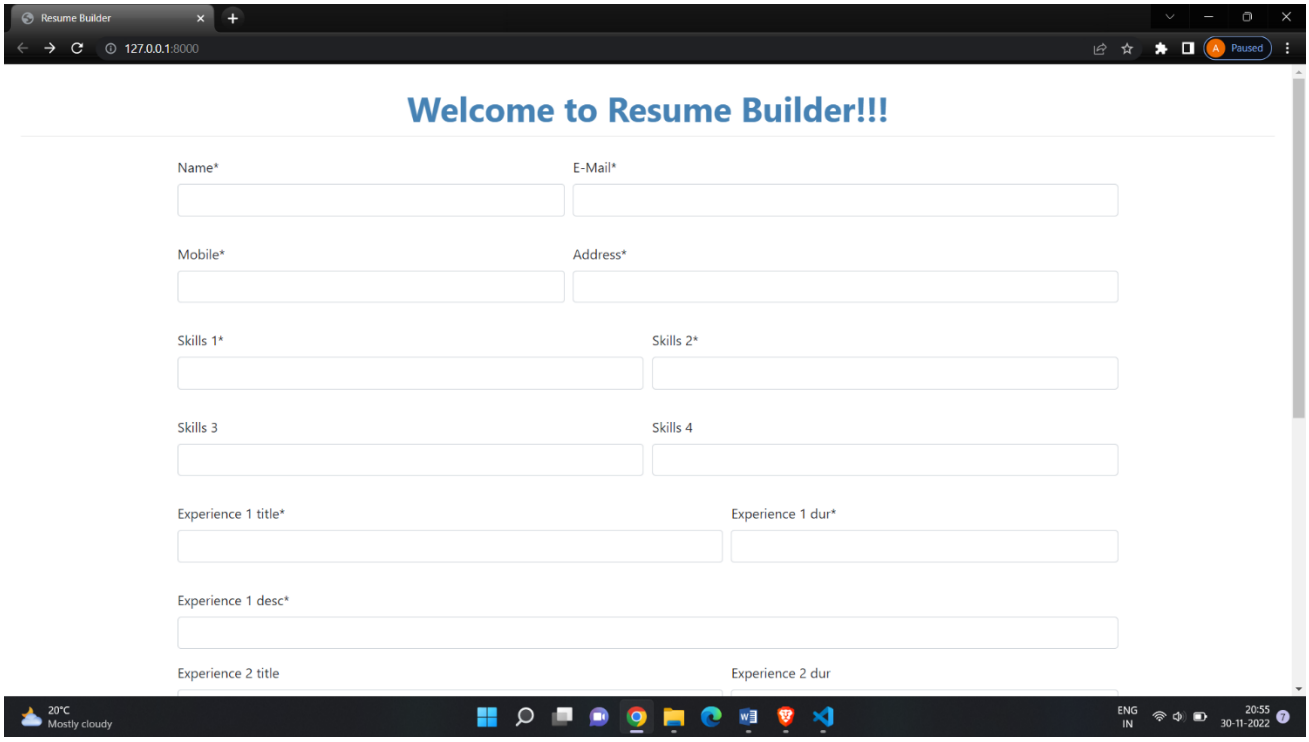
2)Hardware Requirements:-

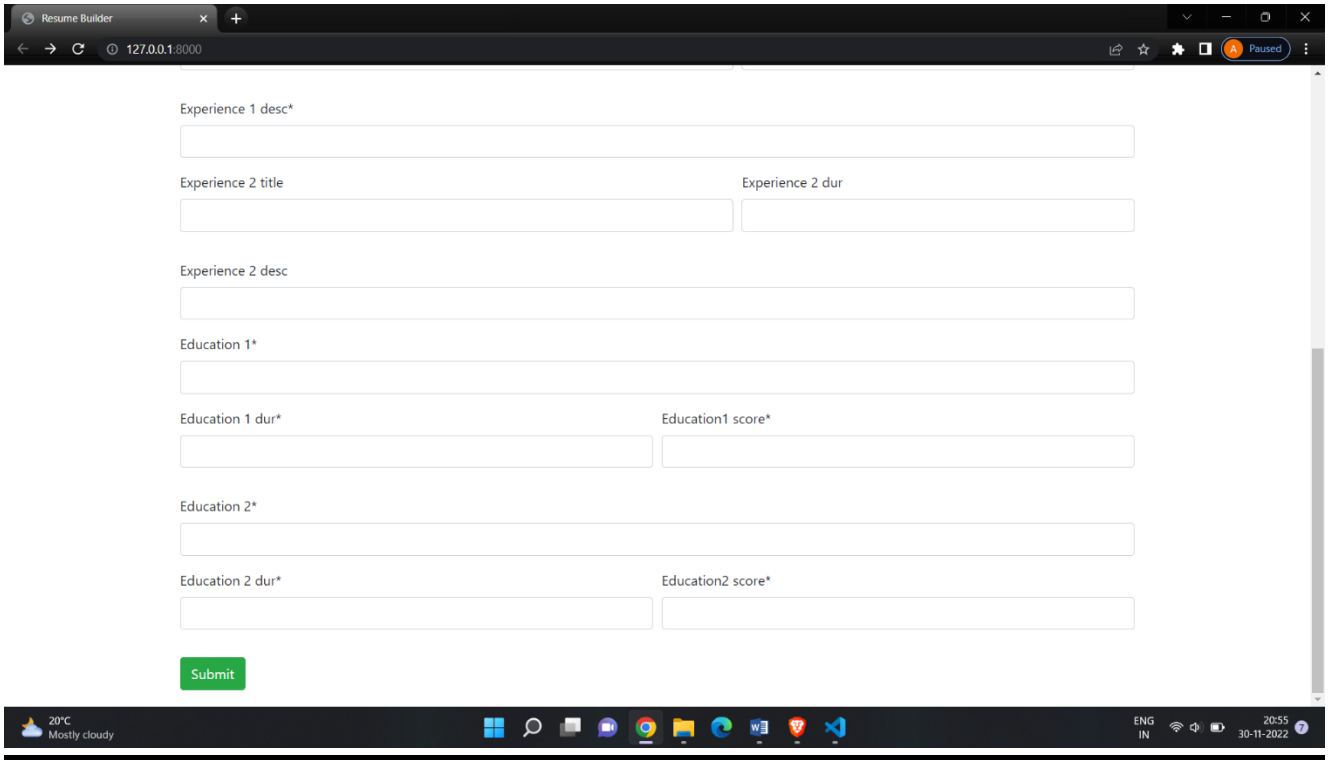
Processor : Intel core i3

Hard Disk : 400GB

RAM : 4GB or more

Output:- Before input





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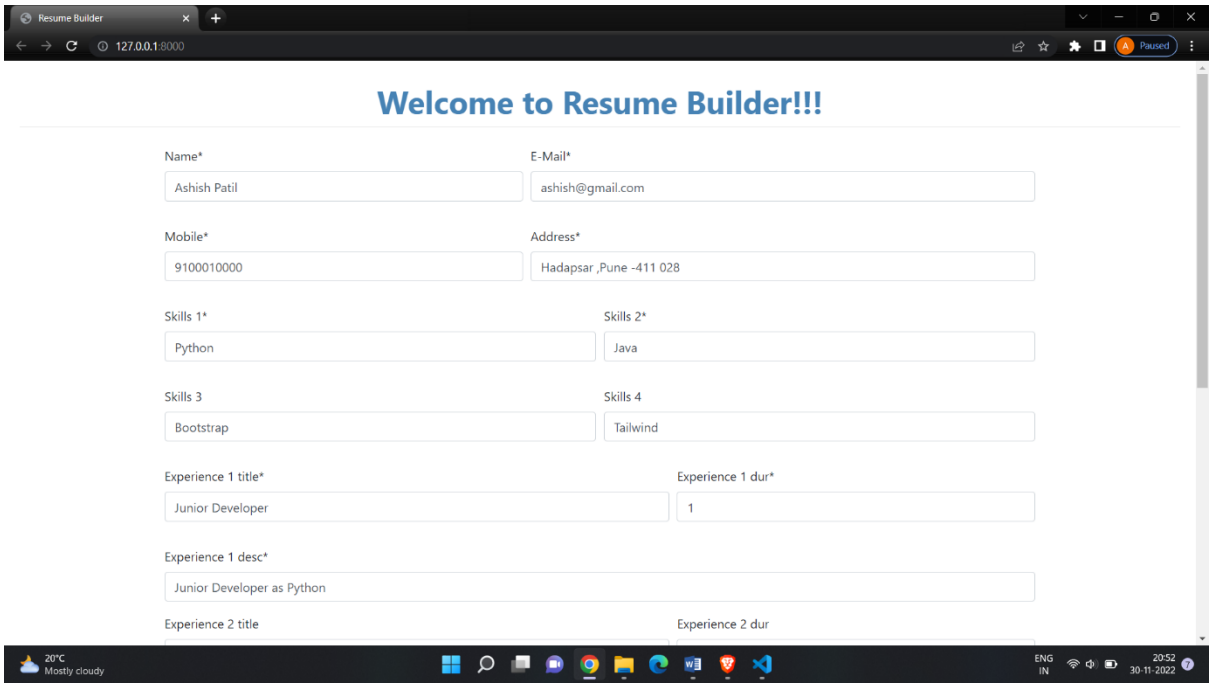
Resume Builder
127.0.0.1:8000
Paused
Welcome to Resume Builder!!!
Name*
Ashish Patil
E-Mail*
ashish@gmail.com
Mobile*
9100010000
Address*
Hadapsar ,Pune -411 028
Skills 1*
Python
Skills 2*
Java
Skills 3
Bootstrap
Skills 4
Tailwind
Experience 1 title*
Junior Developer
Experience 1 dur*
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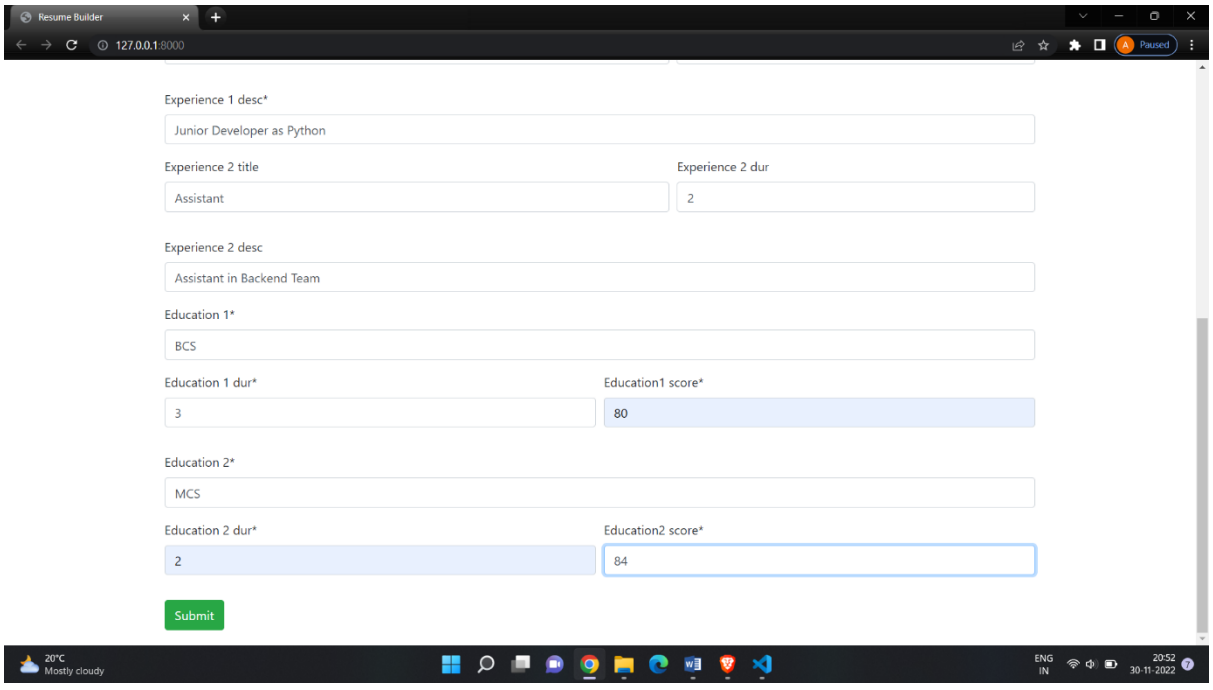
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Junior Developer as Python
Experience 2 title
Assistant
Experience 2 dur
2
Experience 2 desc
Assistant in Backend Team
Education 1*
BCS
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3
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Education 2*
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20:52
30-11-2022

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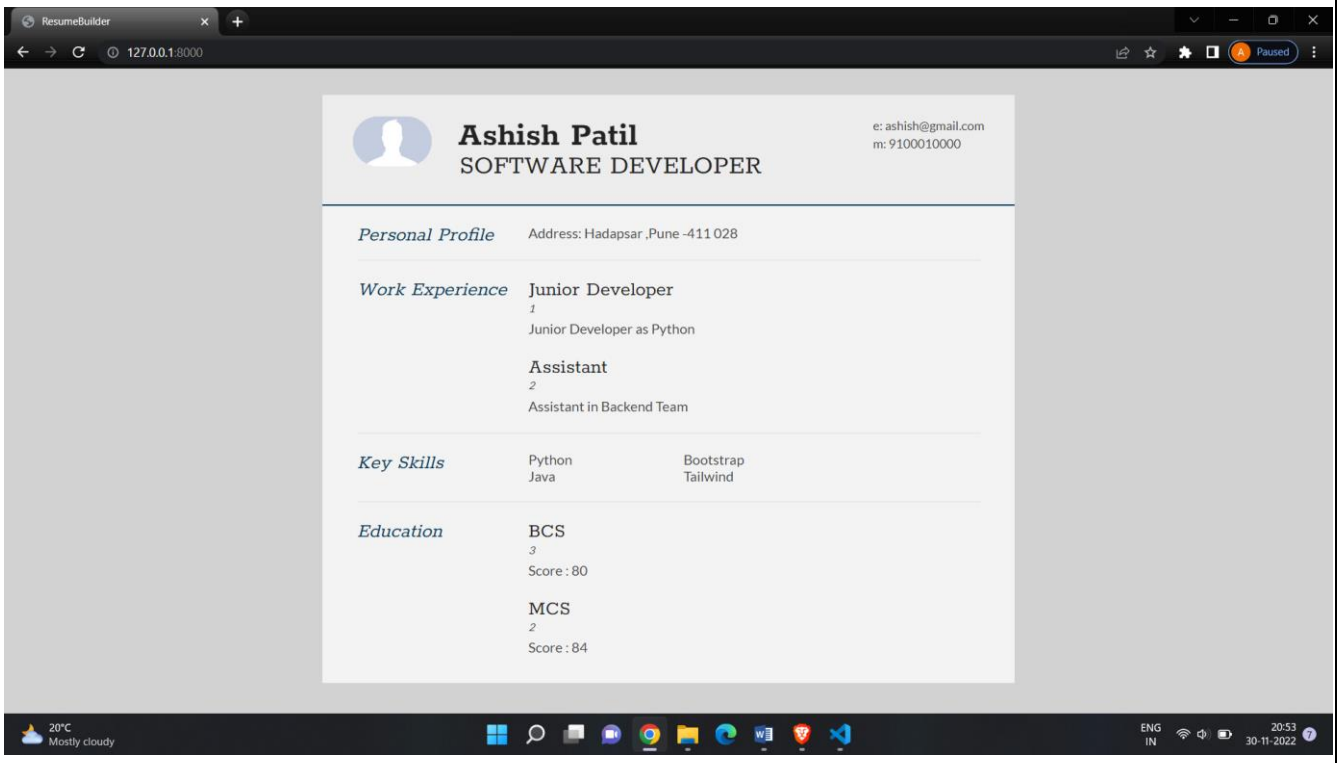
ResumeBuilder
127.0.0.1:8000
Paused
Ashish Patil
SOFTWARE DEVELOPER
e: ashish@gmail.com
m: 9100010000
Personal Profile
Address: Hadapsar ,Pune -411 028
Work Experience
Junior Developer
1
Junior Developer as Python
Assistant
2
Assistant in Backend Team
Key Skills
Python
Java
Bootstrap
Tailwind
Education
BCS
3
Score : 80
MCS
2
Score : 84
20°C
Mostly cloudy
ENG
IN
20:53
30-11-2022

Conclusion and Suggestion

Conclusion:-

DEVELOPMENT OF A RESUME BUILDER APPLICATION can be used for fresher and experienced candidates. Students can apply for the resume and to get the details and to print the resumes in proper format. In the DEVELOPMENT OF A RESUME BUILDER APPLICATION, updation is not possible. Because of this software is not supported. So this can be done by further extended technology

The “ONLINE WEB HUNT” has been successfully completed. The goal of the system is achieved and problems are solved. The package is developed in a manner that it is user friendly and required help is provided at different levels. The project can be easily used in the process of decision making. Different types of reports can be generated which help the management to take correct decision and reduce the time delay which automatically increases the company’s work standards as well as the economical state of the company. This system never decreases the manpower but helps the development of available manpower and optimizes the manpower by which company’s standards and capabilities can be scaled to higher dimensions.

Suggestions:-

Optimize with keywords. Keywords are king. To improve your resume, make sure the appropriate terms are worked in throughout. Not sure what keywords should be included? Create a word cloud out of a target job description. The biggest words are the keywords; use them to maximize your chances of being found.

Proofread! Your resume needs to be perfect. If it is rife with typos, spelling errors, or grammatical mistakes, it conveys the message that you cannot write, you lack attention to detail, you don't care, or all of the above. Have your resume reviewed and proofread by someone other than yourself. There is no room for sloppiness here.

Highlight your quantifiable achievements. A resume with no achievements is a resume that fails. You need to sell yourself on your superstar accomplishments, so be sure that you're focusing your narrative on those. When you think about your current or last position, it's easy to think about what you did. But you need to go beyond that. Think about what you accomplished. No one wants to read a resume that has a list of job duties. If you ask me how to improve your resume quickly, this is one area I will definitely tell you to address.

Purge "responsible for" from your resume. One quick fix to improve your resume is removing "responsible for" from your lexicon. Responsibilities are the mundane minutiae of any job. Responsibilities don't sell you. Instead, focus on your skills and accomplishments. Employers want to see the results of your work rather than a boring list of the tasks you performed.

Eliminate clutter. By "clutter" I mean things that take up valuable real estate on your resume but do nothing to promote you. Graphics, nonstandard fonts, articles (a, an, the). In short, your resume should be concise, accomplishment-driven, and to the point.

Know when enough is enough. I generally recommend that people go back 15-20 years maximum on their resumes. Although the role you held in the early '90s was important in getting you to where you are today, it is not directly relevant to jobs to which you're applying now. Additionally, there is no reason for you to include every single job you've ever held. A resume is a promotional document, so you want to include only relevant, relatable experience.

Delete the "objective" statement. Another quick way to improve your resume is to get rid of the objective statement. This is passé and irrelevant. Instead, consider starting off your resume with a personal summary, which many consider to be the modern successor to this dated segment.

Know your audience. I often say one of the most uncomfortable truths about jobseeking is that the entire process has little to do with you, the candidate. It's about the hiring company and the particular manager's business needs. You need to craft your resume not for yourself, but for your audience, which is the recruiters and hiring managers you'll be contacting. To improve your resume, make sure it focuses on the business problems your audience might have and illustrates how you are the solution.

Limitations:-

- Though visually appealing, online generated resumes are **ATS-unfriendly** because of complex formatting.
- Online Builders write resumes intended to **appeal only to the job seekers** and not to prospective employers.
- Due to defined looks and styles, a **job seeker may miss a valuable opportunity** to determine if it's best to use an objective or professional statement.
- Some sites **only provide a PDF copy** which again restricts you to further update.
- You will **not have someone help you** figure out ways to articulate your skills and accomplishments across your career journey.
- People do not spend quality time building their resumes, so they **miss out on customizing resumes** for the target role.
- Though you have a clean format, you **lose on individual creativity**.
- If you are **using the same template** as thousand other job seekers, it leaves very little room for expressing your own competitive personal brand.

Future Enhancement:-

1.We can give more advance software for online resume builder including more facilities

2.We can add printer in future

3.We will host the platform on online servers to make it accessible worldwide

4.Integrate multiple load balancers to distribute the loads of the system

5.Create a master and slave data structure to reduce the overload of the database queries

6.Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers

Bibliography

The following books were referred during the analysis and execution phase of the project

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