SHIV NADAR UNIVERSITY

Abstract

The following is a recruiter system by CSE sophomores to make the recruitment process seamless amidst the COVID-19 pandemic. It's advisable to keep in person meetings as less as possible, therefore our app provides a perfect summary of all the achievements and work experience for each and every student, so that everyone(the deserving one's specially) have equal opportunity to showcase their skills and go further in the recruitment phase.

Made by :-

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Job Recruiter

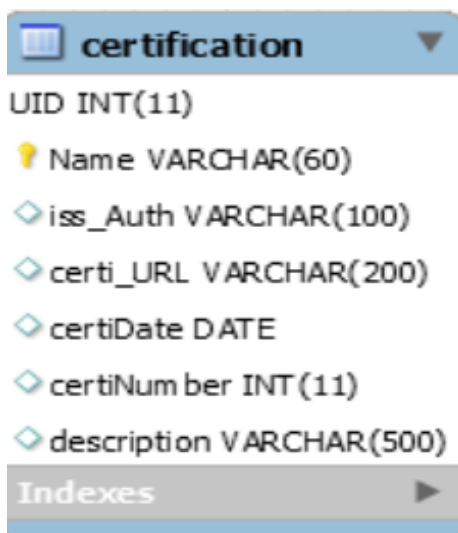Shiv Nadar University

Computer Science, B. Tech

OVERVIEW

To take advantage of the features our app provides, the person needs to sign up with your credentials needed and once signed in he/she has to fill up the following information to their account for building up a profile:

- Personal Details (name, age, gender etc.)
- Educational Qualifications
- Work Experience
- Projects and Position of responsibilities
- Skills and Extracurricular Activities

Once the person has entered all the required information, they're registered to our app and saved in our database along with their details and now can be viewed by the companies who register themselves as recruiters. The companies however also need to register their details first in order to be eligible to recruit the people. The companies can filter the students according to their own needs and criteria and select the most suitable student for the job. All this can be done without much gathering/interviews and be safe during the pandemic without hampering the needs of both companies and the students. They can see both the filtered and unfiltered student according to their wish.

Schemas:

1) **Schema of certification table**

2)   Schema of Experience

experience

UID INT(11)
- 🔑 company VARCHAR(100)
- 🔑 position VARCHAR(30)
- ◇ period INT(11)
- ◇ jType VARCHAR(100)
- ◇ salary INT(11)
- ◇ details VARCHAR(1000)

Indexes ▶

3) Schema of Education

education

UID INT(11)
- ◇ institution VARCHAR(100)
- 🔑 degree VARCHAR(50)
- ◇ board VARCHAR(100)
- ◇ percentage INT(11)
- ◇ passyear YEAR(4)

Indexes ▶

4) Schema of Projects

projects

UID INT(11)
- 🔑 title VARCHAR(60)
- ◇ projectDomain VARCHAR(100)
- ◇ company VARCHAR(60)
- ◇ description VARCHAR(500)

Indexes ▶

5) Schema of personal details

personaldetails ▼
- UID INT(11)
- fName VARCHAR(40)
- lName VARCHAR(40)
- DOB DATE
- email VARCHAR(40)
- category VARCHAR(50)
- gender VARCHAR(10)
- mobile DECIMAL(10,0)
- HNO VARCHAR(10)
- Street VARCHAR(40)
- city VARCHAR(40)
- pincode DECIMAL(65,0)
- country VARCHAR(20)

Indexes ▶

6) Schema of Applications

applicants ▼
- CID INT(11)
- jbID INT(11)
- UID INT(11)

Indexes ▶

7) Schema of skills

skills ▼
- UID INT(11)
- skill VARCHAR(40)
- proficiency VARCHAR(20)

Indexes ▶

8) Schema of comanycred


```
companycred
🔑 CID INT(11)
🔑 cName VARCHAR(200)
◇ cField VARCHAR(100)
◇ cType VARCHAR(100)
🔑 cEmail VARCHAR(200)
◇ cpassword VARCHAR(100)
Indexes
```

9) Schema of Job Profile


```
jobprofile
CID INT(11)
🔑 jbID INT(11)
◇ jobTitle VARCHAR(500)
◇ vacancy INT(11)
◇ salary INT(11)
◇ qualification VARCHAR(500)
◇ jobDescription VARCHAR(2000)
Indexes
```

10) Schema of Credentials


```
credentials
🔑 UID INT(11)
◇ username VARCHAR(50)
◇ password VARCHAR(50)
Indexes
Triggers
```

11) Schema of Guardian details

guardiandetails
- UID INT(11)
- fatherName VARCHAR(50)
- motherName VARCHAR(50)
- fatherNumber DECIMAL(10,0)
- motherNumber DECIMAL(10,0)
- fatherOcc VARCHAR(50)
- motherOcc VARCHAR(50)

Indexes

12) Schema of Extra curricular activities

extracurr
- UID INT(11)
- category VARCHAR(100)
- Description VARCHAR(2000)

Indexes

13) Schema of positional responsibilities

pos_resp
- UID INT(11)
- pos_Name VARCHAR(100)
- held VARCHAR(100)
- descp VARCHAR(2000)

Indexes

OVERALL STRUCTURE

certification
- UID INT(11)
- Name VARCHAR(60)
- Iss_Auth VARCHAR(100)
- certi_URL VARCHAR(200)
- certiDate DATE
- certiNumber INT(11)
- description VARCHAR(500)
- Indexes

education
- UID INT(11)
- institution VARCHAR(100)
- degree VARCHAR(50)
- board VARCHAR(100)
- percentage INT(11)
- passyear YEAR(4)
- Indexes

skills
- UID INT(11)
- skill VARCHAR(40)
- proficiency VARCHAR(20)
- Indexes

experience
- UID INT(11)
- company VARCHAR(100)
- position VARCHAR(30)
- period INT(11)
- fType VARCHAR(100)
- salary INT(11)
- details VARCHAR(1000)
- Indexes

projects
- UID INT(11)
- title VARCHAR(60)
- projectDomain VARCHAR(100)
- company VARCHAR(60)
- description VARCHAR(500)
- Indexes

credentials
- UID INT(11)
- username VARCHAR(50)
- password VARCHAR(50)
- Indexes
- Triggers

personaldetails
- UID INT(11)
- fName VARCHAR(40)
- lName VARCHAR(40)
- DOB DATE
- email VARCHAR(40)
- category VARCHAR(50)
- gender VARCHAR(10)
- mobile DECIMAL(10,0)
- HNO VARCHAR(10)
- Street VARCHAR(40)
- city VARCHAR(40)
- pincode DECIMAL(65,0)
- country VARCHAR(20)
- Indexes

applicants
- CID INT(11)
- jbID INT(11)
- UID INT(11)
- Indexes

guardiandetails
- UID INT(11)
- fatherName VARCHAR(50)
- motherName VARCHAR(50)
- fatherNumber DECIMAL(10,0)
- motherNumber DECIMAL(10,0)
- fatherOcc VARCHAR(50)
- motherOcc VARCHAR(50)
- Indexes

pos_resp
- UID INT(11)
- pos_Name VARCHAR(100)
- held VARCHAR(100)
- descp VARCHAR(2000)
- Indexes

jobprofile
- CID INT(11)
- jbID INT(11)
- jobTitle VARCHAR(500)
- vacancy INT(11)
- salary INT(11)
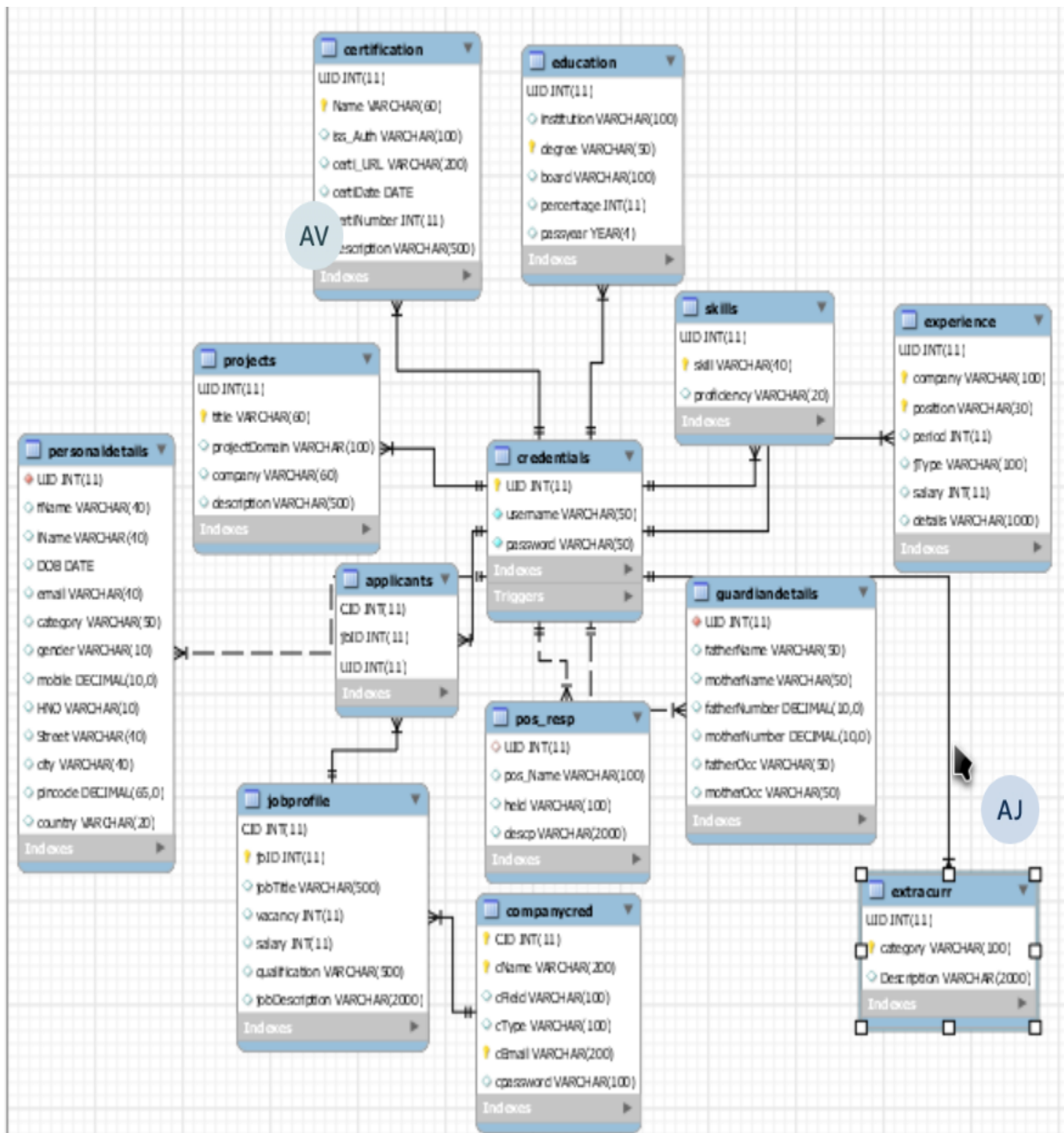- qualification VARCHAR(500)
- jobDescription VARCHAR(2000)
- Indexes

companycred
- CID INT(11)
- cName VARCHAR(200)
- cField VARCHAR(100)
- cType VARCHAR(100)
- cEmail VARCHAR(200)
- cpassword VARCHAR(100)
- Indexes

extracurr
- UID INT(11)
- category VARCHAR(100)
- Description VARCHAR(2000)
- Indexes

Functionalities used:

1)Each table consist of a primary key

2)Database has a referential integrity(on delete cascade) with foreign key constraint from the parent table *credentials* to each reference table

3)Trigger *initialize* is applied on education table to automatically fill in the 'degree' column

4)Language used : JavaFX

Limitations:

1. There is no separate database to double check the information entered by the students. So the details entered by the students might not be 100% accurate.
2. Students can't submit their hand typed CVs, instead they are shortlisted on the basis of the details stored in the database.