

## 1. User

Primary Key: **user\_id**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	user_id	AutoField	Primary Key (PK)	Primary Key of the user.
2	email	EmailField	unique=True	Email address of the user.
3	username	CharField	Not Null	Username of the user.
4	first_name	CharField	Not Null	First name of the user.
5	last_name	CharField	Not Null	Last name of the user.
6	role	CharField	max_length=20	User role (jobprovider, jobseeker, admin).
7	is_verified	BooleanField	Not Null	Boolean indicating user verification.

## 2. JobSeekers

Primary Key: **seeker\_id**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	seeker_id	AutoField	Primary Key (PK)	Seeker ID
2	dob	DateField	Not Null	Date of Birth
3	loc	CharField	max_length=50	Location
4	phone	CharField	max_length=10	Phone Number
5	qual	CharField	max_length=25	Qualification
6	oqual	CharField	max_length=25	Other Qualification
7	exp	CharField	max_length=25	Work Experience
8	skills	CharField	max_length=150	Skills
9	resume	FileField	Not Null	Resume
10	aadhaar	CharField	max_length=25	Aadhaar Number
11	pro_pic	FileField	Not Null	Profile Picture

12	gender	CharField	max_length=20	Gender
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### 3. JobProviders

Primary Key: **pro\_id**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	pro_id	AutoField	Primary Key (PK)	Provider ID
2	cname	CharField	max_length=50	Company Name
3	ceoname	CharField	max_length=50	CEO Name
4	caddress	CharField	max_length=150	Company Address
5	ctype	CharField	max_length=25	Company Type
6	otherctype	CharField	max_length=25	Other Company Type
7	cdescription	CharField	max_length=500	Company Description
8	cphone	CharField	max_length=10	Company Phone Number
9	website	CharField	max_length=100	Company Website
10	empno	IntegerField	Not Null	Number of Employees
11	fyear	DateField	Not Null	Founded Year
12	logo	ImageField	upload_to='provider/logo'	Company Logo
13	clicense	CharField	max_length=100	License Number
14	licensefile	FileField	upload_to='provider/license/'	License File

### 4. PostJobs

Primary Key: **job\_id**

Foreign Key: **pro\_id** references table **JobProviders**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	job_id	IntegerField	Primary Key (PK)	Job ID
2	title	CharField	Not Null	Job Title

3	type	CharField	Not Null	Job Type
4	joblocation	CharField	Not Null	Job Location
5	description	TextField	Not Null	Job Description
6	requirements	TextField	Not Null	Job Requirements
7	minexp	CharField	Not Null	Minimum Experience
8	pro_id	IntegerField	ForeignKey (FK)	Job Provider ID
9	status	CharField	Not Null	Job Status
10	timestamp	DateTimeField	auto_now add=True	Timestamp
11	min_salary	DecimalField	Not Null	Minimum Salary
12	max_salary	DecimalField	Not Null	Maximum Salary
13	deadline	DateField	Not Null	Application Deadline
14	mode	CharField	Not Null	Job Mode

## 5. ApplyJob

Primary Key: **application\_id**

Foreign Key: **user\_id, job\_id, pro\_id, seeker\_id** references table **User, PostJobs, JobProviders, Jobseekers**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	application_id	AutoField	Primary Key (PK)	Application ID
2	user_id	IntegerField	ForeignKey(FK)	User ID
3	job_id	IntegerField	ForeignKey (FK)	Job ID
4	pro_id	IntegerField	ForeignKey (FK)	Job Provider ID
5	seeker_id	IntegerField	ForeignKey (FK)	Job Seeker ID
6	application_date	DateTimeField	default=timezone.now	Submission Date
7	app_status	CharField	Not Null	Application Status

## 6. SavedJob

Primary Key: **sid**

Foreign Key: **user\_id, job\_id, pro\_id, seeker\_id** references table **User, PostJobs, JobProviders, Jobseekers**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	sid	AutoField	Primary Key (PK)	Saved ID
2	seeker_id	IntegerField	ForeignKey (FK)	Job Seeker ID
3	pro_id	IntegerField	ForeignKey (FK)	Job Provider ID
4	job_id	IntegerField	ForeignKey (FK)	Job ID
5	user_id	IntegerField	ForeignKey(FK)	User saving the job
6	stime	DateTimeField	default=timezone.now	Save Time

## 7. Rating

Primary Key: **rid**

Foreign Key: **user\_id** references table **User**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	rid	AutoField	Primary Key (PK)	Rating ID
2	user_id	IntegerField	ForeignKey(FK)	User giving the rating
3	title	CharField	Not Null	Rating Title
4	stars	DecimalField	MinValueValidator(0), MaxValueValidator (MAX_STARS)]	Rating Stars
5	comment	TextField	Not Null	Rating Comment
6	timestamp	DateTimeField	auto_now_add=True	Submission Time

### 8. InterviewSchedule Table:

No	Field Name	Datatype (Size)	Key Constraints	Description
1	schedule_id	AutoField	Primary Key (PK)	Unique ID for each interview schedule
2	job_id	IntegerField	ForeignKey (FK)	Reference to the PostJobs table (job ID)
3	provider_id	IntegerField	ForeignKey (FK)	Reference to the JobProviders table (provider ID)
4	seeker_id	IntegerField	ForeignKey (FK)	Reference to the JobSeekers table (seeker ID)
5	scheduled_date	DateTimeField		Date and time of the scheduled interview
6	location	CharField	max_length=100	Location of the interview (e.g., office address, online link)
7	status	CharField		Status of the interview (e.g., Scheduled, Completed, Cancelled)
8	notes	TextField		Additional notes or comments related to the interview

### 9. JobRecommendation Table:

Field Name	Type	Description
recommendation_id	AutoField (PK)	Primary Key for the recommendation
seeker_id	IntegerField	Foreign Key referencing the seeker ID
job_id	IntegerField	Foreign Key referencing the job ID
matching_score	FloatField	Matching score indicating the relevance of the recommendation

### 10. ATS Table:

Field Name	Type	Description
resume_id	AutoField	Primary Key for the resume record
seeker_id	IntegerField	Foreign Key referencing the seeker ID of JobSeekers table
resume_file	FileField	FileField to store the resume file

Field Name	Type	Description
ats_compatibility	FloatField	ATS compatibility score for the resume
pdf_file	FileField	FileField to store the generated PDF file
generated_at	DateTimeField	Date and time when the PDF file was generated

#### 11. ResumeRanking Table:

Field Name	Type	Description
ranking_id	AutoField (PK)	Primary Key for the ranking record
job_id	IntegerField	Foreign Key referencing the job ID
seeker_id	IntegerField	Foreign Key referencing the seeker ID
ranking_score	DecimalField	The ranking score assigned to the resume

#### 12. FinalList Table:

Field Name	Type	Description
selection_id	(PK)	Primary Key for the selection
seeker_id	IntegerField	Foreign Key referencing the seeker ID from JobSeekers table
job_id	IntegerField	Foreign Key referencing the job ID
pro_id	IntegerField	Foreign Key referencing the provider ID
selection_date	DateTimeField	Date and time when the job seeker was selected
salary	DecimalField	Salary package offered to the selected candidate
status	CharField	Status of the job seeker (e.g., Hired, Offer Accepted)
notes	TextField	Additional notes or comments related to the selection

Field Name	Type	Description
resume	FileField	Foreign Key referencing the resume of the selected candidate from JobSeekers table
photo	ImageField	Foreign Key referencing the photo of the selected candidate from JobSeekers table
location	CharField	Location of the selected job seeker