## Admin

| Column Name | Data Type | Constraints | Description |
| --- | --- | --- | --- |
| adminId | INT | PRIMARY KEY, AUTO\_INCREMENT | Unique Admin ID. |
| name | VARCHAR(100) | NOT NULL | Admin's name. |
| email | VARCHAR(100) | NOT NULL, UNIQUE | Admin's email. |
| username | VARCHAR(100) | NOT NULL, UNIQUE | Admin's username for login. |
| password | VARCHAR(100) | NOT NULL | Admin's login password. |

## Company

| Column Name | Data Type | Constraints | Description |
| --- | --- | --- | --- |
| companyId | INT | PRIMARY KEY, AUTO\_INCREMENT | Unique Company ID. |
| username | VARCHAR(100) | NOT NULL, UNIQUE | Company login username. |
| password | VARCHAR(100) | NOT NULL | Company login password. |
| email | VARCHAR(100) | NOT NULL, UNIQUE | Company email address. |
| companyName | VARCHAR(100) | NOT NULL | Name of the company. |
| industry | VARCHAR(100) | NOT NULL | Industry type. |

## JobSeeker

| Column Name | Data Type | Constraints | Description |
| --- | --- | --- | --- |
| jobSeekerId | INT | PRIMARY KEY, AUTO\_INCREMENT | Unique Job Seeker ID. |
| resume | TEXT | NULL | Job Seeker's resume details. |
| jobPreferences | TEXT | NULL | Job Seeker's job preferences. |
| username | VARCHAR(100) | NOT NULL, UNIQUE | Job Seeker login username. |
| password | VARCHAR(100) | NOT NULL | Job Seeker login password. |
| email | VARCHAR(100) | NOT NULL, UNIQUE | Job Seeker email address. |

## JobListing

| Column Name | Data Type | Constraints | Description |
| --- | --- | --- | --- |
| jobId | INT | PRIMARY KEY, AUTO\_INCREMENT | Unique Job Listing ID. |
| jobDescription | TEXT | NULL | Description of the job. |
| companyId | INT | NOT NULL, FOREIGN KEY REFERENCES Company(companyId) | Reference to Company. |
| jobTitle | VARCHAR(100) | NOT NULL | Title of the job. |
| status | ENUM('OPEN','CLOSED') | NOT NULL | Job status: open or closed. |
| jobType | ENUM('FULL-TIME', 'PART-TIME', 'CONTRACT', 'FREELANCE') | DEFAULT 'FULL-TIME' | Type of job. |
| location | VARCHAR(255) | NULL | Location of the job. |
| qualifications | TEXT | NULL | Required qualifications for the job. |

## JobSearching

| Column Name | Data Type | Constraints | Description |
| --- | --- | --- | --- |
| searchId | INT | PRIMARY KEY, AUTO\_INCREMENT | Unique Job Search ID. |
| jobSeekerId | INT | NOT NULL, FOREIGN KEY REFERENCES JobSeeker(jobSeekerId) | Reference to the Job Seeker. |
| searchDate | DATETIME | NOT NULL | Date and time of the job search. |
| searchQuery | VARCHAR(255) | NOT NULL | Search query made by the job seeker. |

## Support

| Column Name | Data Type | Constraints | Description |
| --- | --- | --- | --- |
| supportId | INT | PRIMARY KEY, AUTO\_INCREMENT | Unique Support Query ID. |
| companyId | INT | NULL, FOREIGN KEY REFERENCES Company(companyId) | Reference to Company (if applicable). |
| jobSeekerId | INT | NULL, FOREIGN KEY REFERENCES JobSeeker(jobSeekerId) | Reference to Job Seeker (if applicable). |
| query | TEXT | NOT NULL | Support query details. |
| status | ENUM('OPEN', 'RESOLVED') | NOT NULL | Status of the support query. |

## Feedback

| Column Name | Data Type | Constraints | Description |
| --- | --- | --- | --- |
| feedbackId | INT | PRIMARY KEY, AUTO\_INCREMENT | Unique Feedback ID. |
| companyId | INT | NULL, FOREIGN KEY REFERENCES Company(companyId) | Reference to Company (if applicable). |
| jobSeekerId | INT | NULL, FOREIGN KEY REFERENCES JobSeeker(jobSeekerId) | Reference to Job Seeker (if applicable). |
| feedbackText | TEXT | NOT NULL | Feedback content. |
| rating | INT | NOT NULL CHECK (rating >= 1 AND rating <= 5) | Feedback rating (1 to 5). |
| timestamp | DATETIME | DEFAULT CURRENT\_TIMESTAMP | Timestamp for the feedback entry. |

## Communication

| Column Name | Data Type | Constraints | Description |
| --- | --- | --- | --- |
| communicationId | INT | PRIMARY KEY, AUTO\_INCREMENT | Unique Communication ID. |
| companyId | INT | NULL, FOREIGN KEY REFERENCES Company(companyId) | Reference to Company (if applicable). |
| jobSeekerId | INT | NULL, FOREIGN KEY REFERENCES JobSeeker(jobSeekerId) | Reference to Job Seeker (if applicable). |
| adminId | INT | NOT NULL , FOREIGN KEY REFERENCES admin(adminId) | Reference to Admin. |
| message | TEXT | NOT NULL | Communication message details. |
| timestamp | DATETIME | DEFAULT CURRENT\_TIMESTAMP | Timestamp of the communication. |