CampusConnect - Database Design

# Tables:

## 1. users

|  |  |  |
| --- | --- | --- |
| Column | Type | Notes |
| id | SERIAL PK | Unique user ID |
| reg\_no | VARCHAR | Registration number |
| name | VARCHAR | Full name |
| email | VARCHAR | For login/OTP |
| password\_hash | TEXT | Hashed password |
| role | ENUM | 'student', 'alumni', 'admin' |
| branch | VARCHAR | Department |
| batch | INT | Admission year |
| is\_verified | BOOLEAN | Profile verified? |
| created\_at | TIMESTAMP | Auto-set |

## 2. skills

|  |  |  |
| --- | --- | --- |
| Column | Type | Notes |
| id | SERIAL PK | Unique skill ID |
| name | VARCHAR | Skill name |

## 3. user\_skills

|  |  |  |
| --- | --- | --- |
| Column | Type | Notes |
| user\_id | INT FK | References users.id |
| skill\_id | INT FK | References skills.id |

## 4. achievements

|  |  |  |
| --- | --- | --- |
| Column | Type | Notes |
| id | SERIAL PK | Unique achievement ID |
| user\_id | INT FK | Owner of the achievement |
| title | VARCHAR | Achievement title |
| file\_url | TEXT | Certificate/project file |
| is\_verified | BOOLEAN | Verified by admin? |

## 5. chats

|  |  |  |
| --- | --- | --- |
| Column | Type | Notes |
| id | SERIAL PK | Message ID |
| sender\_id | INT FK | References users.id |
| receiver\_id | INT FK | References users.id |
| message | TEXT | Chat content |
| sent\_at | TIMESTAMP | Auto-set |

## 6. pdf\_uploads

|  |  |  |
| --- | --- | --- |
| Column | Type | Notes |
| id | SERIAL PK | Unique upload ID |
| file\_name | VARCHAR | PDF file name |
| uploaded\_by | INT FK | References users.id (admin) |
| uploaded\_at | TIMESTAMP | Auto-set |