**STUDENT TABLE**  (48)fields

| **Column Name** | **Data Type** | **Constraints** | **Description** |
| --- | --- | --- | --- |
| student\_id | INT | PRIMARY KEY, IDENTITY | Unique identifier for each student, auto-incremented. |
| full\_name | VARCHAR(255) | NOT NULL | Full name of the student. |
| email\_address | VARCHAR(255) | NOT NULL, UNIQUE | Email address of the student (must be unique). |
| date\_of\_birth | DATE | NOT NULL | Date of birth of the student. |
| student\_mobile\_number | VARCHAR(15) | NOT NULL | Mobile number of the student. |
| community | VARCHAR(100) |  | Community to which the student belongs. |
| roll\_number | VARCHAR(50) | NOT NULL, UNIQUE | Unique roll number of the student. |
| start\_year | YEAR | NOT NULL | The year the student joined the college. |
| batch | VARCHAR(50) |  | Batch of the student (e.g., A, B, etc.). |
| shift | VARCHAR(50) |  | Shift (e.g., Morning, Evening) for the student. |
| section | VARCHAR(50) |  | Section of the student. |
| hostel\_or\_day\_scholar | VARCHAR(50) |  | Specifies if the student is a hostel resident or a day scholar. |
| year\_of\_study | INT |  | The current year of study (e.g., 1, 2, 3). |
| aadhar\_card\_number | VARCHAR(12) | UNIQUE | Aadhar card number of the student. |
| aadhar\_linked\_mobile\_number | VARCHAR(15) |  | Mobile number linked to the student's Aadhar. |
| is\_first\_graduate | BOOLEAN |  | Indicates if the student is the first graduate in the family. |
| school\_type | VARCHAR(50) |  | Type of school attended (e.g., Government, Private). |
| is\_working\_part\_time | BOOLEAN |  | Indicates if the student is working any part-time job. |
| academic\_year | YEAR | NOT NULL | Current academic year. |
| twelfth\_percentage | DECIMAL(5,2) |  | Percentage scored by the student in 12th grade. |
| umis\_number | VARCHAR(50) | UNIQUE | Unique Management Information System (UMIS) number. |
| extracurricular\_activities | TEXT |  | Details of extracurricular activities participated in by the student. |
| sports\_participation | BOOLEAN |  | Indicates if the student participates in sports. |
| disability\_status | BOOLEAN |  | Indicates if the student has a disability. |
| disability\_proof | BLOB |  | Uploaded proof of disability. |
| guardian\_details | TEXT |  | Information about the student's guardian (if applicable). |
| has\_community\_certificate | BOOLEAN |  | Indicates if the student has a community certificate. |
| community\_certificate | BLOB |  | Uploaded copy of the community certificate. |
| has\_income\_certificate | BOOLEAN |  | Indicates if the student has an income certificate. |
| income\_certificate\_issue\_date | DATE |  | Issue date of the income certificate. |
| income\_certificate | BLOB |  | Uploaded copy of the income certificate. |
| is\_parent\_separated | BOOLEAN |  | Indicates if the student's parents are separated. |
| separation\_proof | BLOB |  | Uploaded proof of parental separation. |
| is\_parent\_sick | BOOLEAN |  | Indicates if the parent is sick. |
| sickness\_proof | BLOB |  | Uploaded proof of parental sickness. |
| is\_parent\_deceased | BOOLEAN |  | Indicates if the parent has passed away. |
| death\_certificate | BLOB |  | Uploaded death certificate. |
| is\_single\_parent\_household | BOOLEAN |  | Indicates if the student belongs to a single-parent household. |
| mother\_name | VARCHAR(255) |  | Full name of the student's mother. |
| mother\_occupation | VARCHAR(100) |  | Occupation of the student's mother. |
| mother\_annual\_income | DECIMAL(10,2) |  | Annual income of the student's mother. |
| father\_name | VARCHAR(255) |  | Full name of the student's father. |
| father\_occupation | VARCHAR(100) |  | Occupation of the student's father. |
| father\_annual\_income | DECIMAL(10,2) |  | Annual income of the student's father. |
| siblings\_details | TEXT |  | Study/work details of the student's siblings. |
| has\_received\_scholarship\_before | BOOLEAN |  | Indicates if the student has received a scholarship before. |
| created\_at | DATETIME | DEFAULT GETDATE() | Timestamp when the student record was created. |
| updated\_at | DATETIME | DEFAULT GETDATE() | Timestamp when the student record was last updated. |

**ADMIN TABLE**

| **Column Name** | **Data Type** | **Constraints** | **Description** |
| --- | --- | --- | --- |
| admin\_id | INT | PRIMARY KEY, IDENTITY | Unique identifier for each admin, auto-incremented. |
| username | NVARCHAR(50) | NOT NULL, UNIQUE | Admin username for login (must be unique). |
| password | NVARCHAR(255) | NOT NULL | Encrypted password for admin authentication. |
| full\_name | NVARCHAR(100) | NOT NULL | Full name of the admin. |
| email\_address | NVARCHAR(100) | NOT NULL, UNIQUE | Admin's email address (must be unique). |
| phone\_number | NVARCHAR(15) |  | Contact phone number of the admin. |
| role | NVARCHAR(50) | NOT NULL | Admin role (e.g., "Super Admin", "Moderator"). |
| status | NVARCHAR(10) | DEFAULT 'Active' | Account status ("Active" or "Inactive"). |
| last\_login | DATETIME |  | Timestamp of the last admin login. |
| created\_at | DATETIME | DEFAULT GETDATE() | Timestamp when the admin record was created. |
| updated\_at | DATETIME | DEFAULT GETDATE() | Timestamp when the admin record was last updated. |

### **Document Table(42)fields**

The document table stores information about student documents submitted for scholarships.

| **Column Name** | **Data Type** | **Constraints** | **Description** |
| --- | --- | --- | --- |
| document\_id | INT | PRIMARY KEY, IDENTITY | Unique identifier for each document, auto-incremented. |
| student\_id | INT | NOT NULL | Reference to the student submitting the document (Foreign Key to Student Table). |
| document\_type | NVARCHAR(50) | NOT NULL | Type of document (e.g., "ID Proof", "Transcript", "Recommendation Letter"). |
| document\_name | NVARCHAR(255) | NOT NULL | Original file name of the uploaded document. |
| document\_path | NVARCHAR(500) | NOT NULL | Path or URL where the document is stored. |
| file\_size | INT |  | Size of the uploaded file in kilobytes. |
| file\_type | NVARCHAR(50) |  | MIME type of the uploaded file (e.g., "PDF", "JPEG"). |
| uploaded\_at | DATETIME | DEFAULT GETDATE() | Timestamp when the document was uploaded. |
| verified\_by | INT |  | Admin ID who verified the document (Foreign Key to Admin Table). |
| verification\_status | NVARCHAR(20) | DEFAULT 'Pending' | Status of the document ("Pending", "Approved", "Rejected"). |
| review\_date | DATETIME |  | Timestamp of the last document review. |
| is\_deleted | BIT | DEFAULT 0 | Flag for soft-deletion (0 for active, 1 for deleted). |
| remarks | NVARCHAR(MAX) |  | Additional remarks from the verifier (if any). |
| approval\_comments | NVARCHAR(MAX) |  | Comments or reasons provided during the approval/rejection process. |
| rejection\_reason | NVARCHAR(MAX) |  | Detailed reason if the document was rejected. |
| related\_application\_id | INT |  | Links the document to a specific scholarship application (if applicable). |
| category | NVARCHAR(50) |  | Category of the document (e.g., "Academic", "Financial", "Personal"). |
| tags | NVARCHAR(255) |  | Keywords or tags associated with the document for searchability. |
| language | NVARCHAR(50) |  | Language of the document (e.g., "English", "Hindi"). |
| access\_level | NVARCHAR(50) | DEFAULT 'Public' | Defines access level for the document (e.g., "Public", "Private", "Restricted"). |
| is\_confidential | BIT | DEFAULT 0 | Flags whether the document contains confidential information. |
| download\_count | INT | DEFAULT 0 | Tracks the number of times the document has been downloaded. |
| uploaded\_on\_behalf | BIT | DEFAULT 0 | Indicates if the document was uploaded on behalf of the student (1 for Yes). |
| upload\_device | NVARCHAR(50) |  | Device or platform used for uploading the document (e.g., "Mobile", "Web"). |
| is\_signed | BIT | DEFAULT 0 | Indicates if the document is digitally signed. |
| signature\_date | DATETIME |  | Date when the document was signed (if applicable). |
| document\_expiry\_date | DATE |  | Expiry date of the document (if applicable). |
| last\_modified\_at | DATETIME | DEFAULT GETDATE() | Tracks when the document details were last updated. |
|  |  |  |  |
| submission\_deadline | DATETIME |  | Deadline by which the document must be submitted. |
| is\_review\_required | BIT | DEFAULT 1 | Indicates whether the document requires manual review (1 for Yes). |
| reviewed\_by | NVARCHAR(255) |  | Name of the admin or reviewer who assessed the document. |
| source\_of\_upload | NVARCHAR(100) |  | Source of the upload (e.g., "Email Submission", "Online Portal"). |
| document\_version | INT | DEFAULT 1 | Tracks version history for re-uploaded or updated documents. |
| requires\_correction | BIT | DEFAULT 0 | Flags documents that need corrections. |
| correction\_comments | NVARCHAR(MAX) |  | Comments detailing what needs to be corrected. |
| priority\_level | NVARCHAR(20) | DEFAULT 'Normal' | Priority level for processing (e.g., "High", "Low"). |
| region\_specific | NVARCHAR(50) |  | Region or state to which the document applies (useful for location-based rules). |
| original\_submission\_date | DATETIME |  | Original date of submission (useful if re-uploads happen). |
| document\_status | NVARCHAR(50) | DEFAULT 'Active' | Tracks the current status (e.g., "Active", "Archived", "Deprecated"). |
| linked\_program\_id | INT |  | Links the document to a specific scholarship program (Foreign Key). |
| verified\_by\_email | NVARCHAR(100) |  | Email address of the verifier for traceability. |
| requires\_further\_action | BIT | DEFAULT 0 | Indicates if further action is required (e.g., additional documents). |

**APPLICATION TABLE**

| Field Name | Data Type | Description |
| --- | --- | --- |

| Full Name | String | Student's full legal name. |
| --- | --- | --- |

| Date of Birth | Date | Student's date of birth (in DD/MM/YYYY format). |
| --- | --- | --- |

| Gender | String (Dropdown) | Gender of the student (e.g., Male, Female, Other). |
| --- | --- | --- |

| Address | String | Student's permanent or correspondence address. |
| --- | --- | --- |

| Phone Number | String (Numeric) | Student's contact phone number. |
| --- | --- | --- |

| Email Address | String | Student's email address for communication. |
| --- | --- | --- |

| Course Name | String | Name of the course the student is enrolled in. |
| --- | --- | --- |

| Enrollment Number/Student ID | String | Unique ID assigned to the student by the institution. |
| --- | --- | --- |

| Academic Year | String | The academic year for which the scholarship is applied. |
| --- | --- | --- |

| 12th % | Float | Percentage of marks obtained in the 12th grade examination. |
| --- | --- | --- |

| UMIS Number | String | Unique ID (University Management Information System) assigned to the student. |
| --- | --- | --- |

| Community Certificate | Boolean (Yes/No) | Whether the student has a community certificate. |
| --- | --- | --- |

| Upload Community Certificate | File (PDF, JPG, PNG) | Upload field for the community certificate document. |
| --- | --- | --- |

| Income Certificate | Boolean (Yes/No) | Whether the student has an income certificate. |
| --- | --- | --- |

| Income Certificate Issue Date | Date | Issue date of the income certificate. |
| --- | --- | --- |

| Upload Income Certificate | File (PDF, JPG, PNG) | Upload field for the income certificate document. |
| --- | --- | --- |

| Parent Separated | Boolean (Yes/No) | Whether the student's parent(s) are separated. |
| --- | --- | --- |

| Upload Proof of Separation | File (PDF, JPG, PNG) | Upload field for proof of separation document (e.g., legal separation decree). |
| --- | --- | --- |

| Parent Sick | Boolean (Yes/No) | Whether the student's parent is sick. |
| --- | --- | --- |

| Upload Proof of Sickness | File (PDF, JPG, PNG) | Upload field for medical proof of sickness. |
| --- | --- | --- |

| Parent Passed Away | Boolean (Yes/No) | Whether the student's parent is deceased. |
| --- | --- | --- |

| Upload Death Certificate | File (PDF, JPG, PNG) | Upload field for death certificate document. |
| --- | --- | --- |

| Single-Parent Household | Boolean (Yes/No) | Whether the student comes from a single-parent household. |
| --- | --- | --- |

| Mother's Name | String | Mother's full name. |
| --- | --- | --- |

| Mother's Occupation | String | Mother's current occupation/job. |
| --- | --- | --- |

| Mother's Annual Income | Float | Mother's total annual income in local currency. |
| --- | --- | --- |

| Father's Name | String | Father's full name. |
| --- | --- | --- |

| Father's Occupation | String | Father's current occupation/job. |
| --- | --- | --- |

| Father's Annual Income | Float | Father's total annual income in local currency. |
| --- | --- | --- |

| Siblings (Study/Work) | String | Information about siblings (whether they are studying or working). |
| --- | --- | --- |

| Previous Scholarships Received | Boolean (Yes/No) | Whether the student has received a scholarship in the past. |
| --- | --- | --- |

| Bank Account Details | String (Numeric) | Student’s bank account number for scholarship fund disbursement. |
| --- | --- | --- |

| Statement of Purpose | Text Area | A brief statement explaining why the student is applying for the scholarship. |
| --- | --- | --- |

| Additional Documents | File (PDF, JPG, PNG) | Upload field for any other supporting documents the student wishes to submit. |
| --- | --- | --- |

**Scholarship tabel**

| **Column Name** | **Data Type** | **Description** |
| --- | --- | --- |

| ScholarshipID | INT (Primary Key) | Unique identifier for the scholarship application. |
| --- | --- | --- |

| ParentSeparated | BIT | Indicates if parents are separated. |
| --- | --- | --- |

| SeparationProof | VARBINARY(MAX) | Binary data for separation proof. |
| --- | --- | --- |

| SeparationProofName | VARCHAR(255) | File name for separation proof. |
| --- | --- | --- |

| ParentSick | BIT | Indicates if a parent is sick. |
| --- | --- | --- |

| SicknessProof | VARBINARY(MAX) | Binary data for sickness proof. |
| --- | --- | --- |

| SicknessProofName | VARCHAR(255) | File name for sickness proof. |
| --- | --- | --- |

| ParentDeceased | BIT | Indicates if a parent is deceased. |
| --- | --- | --- |

| DeathProof | VARBINARY(MAX) | Binary data for death proof. |
| --- | --- | --- |

| DeathProofName | VARCHAR(255) | File name for death proof. |
| --- | --- | --- |

| IsSingleParent | BIT | Indicates if the applicant has a single parent. |
| --- | --- | --- |

| SingleParentType | VARCHAR(10) | Type of single parent (e.g., "Mother", "Father"). |
| --- | --- | --- |

| SingleParentProof | VARBINARY(MAX) | Binary data for single parent proof. |
| --- | --- | --- |

| SingleParentProofName | VARCHAR(255) | File name for single parent proof. |
| --- | --- | --- |

| MotherName | VARCHAR(100) | Mother's name. |
| --- | --- | --- |

| MotherOccupation | VARCHAR(20) | Mother's occupation. |
| --- | --- | --- |

| MotherIncome | DECIMAL(10, 2) | Mother's annual income. |
| --- | --- | --- |

| FatherName | VARCHAR(100) | Father's name. |
| --- | --- | --- |

| FatherOccupation | VARCHAR(20) | Father's occupation. |
| --- | --- | --- |

| FatherIncome | DECIMAL(10, 2) | Father's annual income. |
| --- | --- | --- |

| GuardianName | VARCHAR(100) | Guardian's name (if applicable). |
| --- | --- | --- |

| GuardianOccupation | VARCHAR(20) | Guardian's occupation. |
| --- | --- | --- |

| GuardianIncome | DECIMAL(10, 2) | Guardian's annual income. |
| --- | --- | --- |

| Siblings | TEXT | Information about siblings (e.g., count or details). |
| --- | --- | --- |

| PreviousScholarship | BIT | Indicates if a previous scholarship was received. |
| --- | --- | --- |

| PreviousScholarshipName | VARCHAR(100) | Name of the previous scholarship. |
| --- | --- | --- |

| PreviousScholarshipAmount | DECIMAL(10, 2) | Amount of the previous scholarship. |
| --- | --- | --- |

| PreviousScholarshipReceipt | VARBINARY(MAX) | Binary data for the previous scholarship receipt. |
| --- | --- | --- |

| PreviousScholarshipReceiptName | VARCHAR(255) | File name for the previous scholarship receipt. |
| --- | --- | --- |

| ContactEmail | VARCHAR(100) | Applicant's contact email. |
| --- | --- | --- |

| CreatedAt | DATETIME | Record creation timestamp. Default value is GETDATE(). |
| --- | --- | --- |

| UpdatedAt | DATETIME | Record last update timestamp. Default value is GETDATE(). |
| --- | --- | --- |