

# Database Structure

Project Name : Vayu by UNDP  
Stack : Python Django  
DB : PostgreSQL  
Updated : 29.08.2024

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- App - user

- Model - User

■ full_name	-	Character Field
■ role	-	Choice Field (Super Admin, Admin, Volunteer)
■ gender	-	Choice Field (Male, Female, Other)
■ device_id	-	Foreign Key Field (From Device Model)
■ mobile	-	Character Field
■ status	-	Boolean Field
■ dob	-	Date field
■ address	-	Text Field
■ district	-	Foreign Key Field (From District Model)
■ state	-	Foreign Key Field (From State Model)
■ is_staff	-	Boolean Field
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field
■ created_by	-	Character Field

- App- sensor

- Model - Device

■ device_name	-	Character Field
■ status	-	Boolean Field
■ device_type	-	Choice Field (Static, Dynamic)
■ sensor	-	Character Field
■ city	-	Character Field
■ location	-	Character Field
■ lat	-	Float Field
■ long	-	Float Field
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field

- **Model - Data**

■ device_id	-	Foreign Key Field (From Device Model)
■ lat	-	Character Field
■ long	-	Character Field
■ pm_25	-	Float Field
■ pm_10	-	Float Field
■ no2	-	Float Field
■ co	-	Float Field
■ co2	-	Float Field
■ ch4	-	Float Field
■ temp	-	Float Field
■ rh	-	Float Field
■ data_created_time	-	Date Time Field
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field

- **Model - DownloadData**

■ month	-	Character Field
■ year	-	Character Field
■ city	-	Character Field
■ device_type	-	Character Field
■ user_name	-	Character Field
■ user_email	-	Character Field
■ usage_type	-	Character Field
■ purpose	-	Character Field
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field

- **Model - DownloadMonthYear**

■ month	-	Character Field
■ year	-	Character Field
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field

- **App- mobile\_app**

- **Model - State**

■ state_name	-	Character Field
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field

### ○ Model - District

■ state_id	-	Foreign Key Field (From State Model)
■ district_name	-	Character Field
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field

### ○ Model - Task

■ state	-	Foreign Key Field (From State Model)
■ district	-	Foreign Key Field (From District Model)
■ user_id	-	Foreign Key Field (From User Model)
■ location	-	Character Field
■ description	-	Text Field
■ lat	-	Float Field
■ long	-	Float Field
■ status	-	Choice Field (New, Complete)
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field

### ○ Model - Record

■ data_id	-	Foreign Key Field (From Data Model)
■ task_id	-	Foreign Key Field (From Task Model)
■ user_id	-	Foreign Key Field (From User Model)
■ location	-	Character Field
■ description	-	Text Field
■ lat	-	Float Field
■ long	-	Float Field
■ category	-	Character Field
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field

### ○ Model - FileUpload

■ record_id	-	Foreign Key Field (From Record Model)
■ user_id	-	Foreign Key Field (From User Model)
■ file	-	File Field
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field

### ○ Model - Notification

■ user_id	-	Foreign Key Field (From User Model)
■ message	-	Character Field
■ created_at	-	Date Time Field
■ updated_at	-	Date Time Field