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I am a diploma level student of **IITM BS Degree in Data Science and Applications.**

Description:

The aim of this project is to create a Influencer and Sponsor Coordinate Platform which can be used for making Requests for both the way. It is a multi-user app but only one **Admin**. Admin, Sponsor and Influencer have their own profile pages.

- **Sponsor:** Sponsor can create campaigns, edit and read them, make a request to multiple influencers and delete request too. Search for influencer.
- **Influencer:** Influencer can search for Public campaigns and can send request to sponsor and also **Accept, Reject or Negotiate** to requests sent by Sponsor.
- **Admin:** Admin can monitor everything that block, unblock and can Delete any User or Campaign. Can see all campaigns either public or private. Admin can also view statistics for best 5 campaign and no of influencer and sponsor.

Technologies used:

- **Frontend:** HTML, CSS and Bootstrap have been used for styling and responsiveness of app.
- **Template Engine:** Jinja2 has been used for HTML template generation.
- **Backend:** The application uses Flask, SQL Alchemy to implement core functionalities, in addition, with seaborn for generating graphs.
- **IDE:** The application has been developed in **VSCode** using **Virtual Environment**

Architecture and Features:

The project has an application folder in root which contains a **templates** folder which has all the template, a **static** folder containing image files, an **instance** folder which contains the database file (SQLite), and a **PDF file** which contains project report Further a app.py file to run the application.

All **CRUD** operations are applicable. Sponsor can create, view, update and delete Campaigns. Admin can keep track and delete user/campaign, admin can block any user and flag campaign.

DB Schema Design:

1. User Table:

Column name	Type	Constraints
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id	Integer	primary key
username	String	Not null, unique
_password	String	Not null
email	String	Not null, unique
role	Boolean	default
industry	Boolean	null
niche	String	null
budgets	Integer	default
reach	String	null
blocked	Boolean	default

2. Campaign Table:

Column name	Type	Constraints
id	Integer	primary_key
name	String	Not null
start_date	DateTime	default
end_date	DateTime	null
budget	Integer	null
sponsor_id	Integer	Not null
influencer_id	Integer	Not null
visibilty	String	default
progress	Integer	default
flagged	Boolean	default

So on

Vedio [Link](#)