**Smart Brain**

Face detection app built with React (frontend) and Node.js + Express + PostgreSQL (backend).

**Project Structure:**

smart-brain/

├── smart-brain-master/ # Frontend (React)

├── smart-brain-api-master/ # Backend (Node.js + Express)

├── create\_tables.sql # SQL to create necessary DB tables

**Prerequisites:**

Node.js & npm

PostgreSQL

Clarifai API key

**Setup Instructions:**

1. Clone & Install Dependencies:

git clone https://github.com/yourusername/smart-brain.git

cd smart-brain

# Install frontend

cd smart-brain-master

npm install

# Install backend

cd ../smart-brain-api-master

npm install

2. Set Up PostgreSQL:

Create a database (e.g. smartbrain)

Run the provided SQL script to create the required tables:

psql -U postgres -d smartbrain -f ../create\_tables.sql

3. Configure Backend

Edit smart-brain-api-master/server.js:

const db = knex({

client: 'pg',

connection: {

host: '127.0.0.1',

user: 'your\_postgres\_user',

password: 'your\_postgres\_password',

database: 'smartbrain'

}

});

4. Add your Clarifai API key in controllers/image.js.

**Running the App**:

Start the backend:

cd smart-brain-api-master

npm start

Start the frontend:

cd ../smart-brain-master

npm start

Then go to: http://localhost:3001

**Features:**

Register / Sign In

Face detection using Clarifai API

User ranking based on number of submissions