**Color Detect**

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

**Project Structure:**

color-detect/

├── client/ # Frontend (React)

├── server/ # 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/hagai7/color-detect.git

cd color-detect

# Install frontend

cd client

npm install

# Install backend

cd ../server

npm install

2. Set Up PostgreSQL:

Create a database (e.g. colordetect)

Run the provided SQL script to create the required tables:

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

3. Configure Backend

Edit server/server.js:

const db = knex({

client: 'pg',

connection: {

host: '127.0.0.1',

user: 'your\_postgres\_user',

password: 'your\_postgres\_password',

database: 'colordetect'

}

});

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

**Running the App**:

Start the backend:

cd server

npm start

Start the frontend:

cd ../client

npm start

Then go to: http://localhost:3001

**Features:**

Register / Sign In

Color detection using Clarifai API

User submission count based on number of submissions