**Source Code**

**App.py**

from flask import Flask, render\_template, request

import requests

import pickle

import numpy as np

import pandas as pd

import config

from sklearn.preprocessing import LabelEncoder

from sklearn.ensemble import RandomForestRegressor

from sklearn.model\_selection import train\_test\_split

model = pickle.load(open('score.pkl', 'rb'))

app = Flask(\_\_name\_\_)

def weather\_fetch(city\_name):

"""

Fetch and returns the temperature and humidity of a city

:params: city\_name

:return: temperature, humidity

"""

api\_key = config.weather\_api\_key

base\_url = "http://api.openweathermap.org/data/2.5/weather?"

complete\_url = base\_url + "appid=" + api\_key + "&q=" + city\_name

response = requests.get(complete\_url)

x = response.json()

if x["cod"] != "404":

y = x["main"]

temperature = round((y["temp"] - 273.15), 2)

humidity = y["humidity"]

return temperature, humidity

else:

return None

@app.route('/')

def main():

return render\_template('index.html')

@app.route('/predict')

def man():

return render\_template('home.html')

@ app.route('/crop-recommend')

def crop\_recommend():

return render\_template('crop\_rec.html')

@ app.route('/crop-predict', methods=['POST'])

def crop\_prediction():

if request.method == 'POST':

N = int(request.form['nitrogen'])

P = int(request.form['phosphorous'])

K = int(request.form['pottasium'])

ph = float(request.form['ph'])

rainfall = float(request.form['rainfall'])

# state = request.form.get("stt")

city = request.form.get("city")

if weather\_fetch(city) != None:

temperature, humidity = weather\_fetch(city)

data = np.array([[N, P, K, temperature, humidity, ph, rainfall]])

my\_prediction = model.predict(data)

final\_prediction = my\_prediction[0]

return render\_template('crem.html', prediction=final\_prediction)

else:

return render\_template('try\_again.html')

@ app.route('/crop-pred')

def crop\_pred():

return render\_template('cred.html')

@ app.route('/crop-yield', methods=['POST'])

def crop\_yield():

if request.method == 'POST':

crop\_input = request.form.get("crop")

area = int(request.form['area'])

season = int(request.form['season'])

state = request.form.get("stt")

city = request.form.get("city")

Dis = city.strip().upper()

State = state.upper()

data = pd.read\_csv("crop\_production.csv")

data.head(7)

df = data.copy()

df.dropna(axis=0, inplace=True)

df["Crop"].value\_counts()

crop\_count = df["Crop"].value\_counts()

df = df.loc[df["Crop"].isin(crop\_count.index[crop\_count > 1500])]

crop\_name = crop\_input.title()

crop = df[(df["Crop"] == crop\_name)]

crop.head()

dt = crop.copy()

le = LabelEncoder()

dt['State\_Name'] = dt['State\_Name'].str.upper()

dt["district"] = le.fit\_transform(dt["District\_Name"])

dt['season'] = le.fit\_transform(dt["Season"])

dt["state"] = le.fit\_transform(dt["State\_Name"])

X = dt[["Area", "district", "season", "state"]]

y = dt["Production"]

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.15)

model = RandomForestRegressor()

model.fit(X\_train, y\_train)

my\_dict = pd.Series(dt.District\_Name.values, index=dt.district).to\_dict()

key\_list = list(my\_dict.keys())

val\_list = list(my\_dict.values())

position = val\_list.index(Dis)

district\_id = key\_list[position]

state\_id = dt[dt.State\_Name == State]['state'].values[0]

x = [[area, district\_id, season, state\_id]]

ynew = model.predict(x)

prediction = ynew[0]

return render\_template('cropres.html', prediction=prediction)

else:

return render\_template('try\_again.html')

if \_\_name\_\_ == "\_\_main\_\_":

app.run(debug=True)

**Config.py**

weather\_api\_key = "9d7cde1f6d07ec55650544be1631307e"

**crop\_reccommend.py**

import pandas as pd

import pickle

data = pd.read\_csv('Crop\_recommendation.csv')

data.head()

data.isnull().sum()

data['label'].value\_counts()

X = data.drop(['label'], axis = 1)

y = data['label']

from sklearn.model\_selection import train\_test\_split

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X,y,test\_size = 0.2,random\_state = 0)

from sklearn.ensemble import RandomForestClassifier

rf\_model = RandomForestClassifier()

rf\_model.fit(X\_train,y\_train)

pickle.dump(rf\_model, open('score.pkl', 'wb'))

**Home.html**

<html>

<head>

<meta content="width=device-width, initial-scale=1.0" name="viewport">

<title>Farm-Cyield</title>

<style>

.columns {

Width: 100%;

}

.column {

width:100%;

height: 50%;

}

.overlay {

position: absolute;

top: 0;

bottom: 0;

left: 0;

right: 0;

height: 50%;

width: 100%;

opacity: 0;

transition: .5s ease;

background-color: black;

}

#crop\_yield:hover .overlay {

opacity: 0.9;

}

.overlaye {

position: absolute;

top: 50%;

bottom: 0;

left: 0;

right: 0;

height: 50%;

width: 100%;

opacity: 0;

transition: .5s ease;

background-color: black;

}

#crop\_pred:hover .overlaye {

opacity: 0.9;

}

.text {

color: white;

font-size: 35px;

position: absolute;

top: 50%;

left: 50%;

-webkit-transform: translate(-50%, -50%);

-ms-transform: translate(-50%, -50%);

transform: translate(-50%, -50%);

text-align: center;

}

#crop\_yield{

background-image: url("https://www.investopedia.com/thmb/af2\_szAGyG2cxHvdXISlmhi2Rg4=/3100x2067/filters:fill(auto,1)/harvest-164458970-505d26b04f134939a829746343346ec8.jpg");

background-repeat: no-repeat;

background-size: cover;

}

#crop\_pred{

background-image: url("https://media.nationalgeographic.org/assets/photos/120/983/091a0e2f-b93d-481b-9a60-db520c87ec33.jpg");

background-repeat: no-repeat;

background-size: cover;

}

@media (min-width: 48em) {

.column {

width: 50%;

float:left;

height: 100%;

}

.columns {

content: "";

clear: both;

}

.overlay {

position: absolute;

top: 0;

bottom: 0;

left: 0;

right: 0;

height: 100%;

width: 50%;

opacity: 0;

transition: .5s ease;

background-color: black;

}

#crop\_yield:hover .overlay {

opacity: 0.9;

}

.text {

color: white;

font-size: 35px;

position: absolute;

top: 50%;

left: 50%;

-webkit-transform: translate(-50%, -50%);

-ms-transform: translate(-50%, -50%);

transform: translate(-50%, -50%);

text-align: center;

}

.overlaye {

position: absolute;

top: 0;

bottom: 0;

left: 50%;

right: 0;

height: 100%;

width: 50%;

opacity: 0;

transition: .5s ease;

background-color: black;

}

#crop\_pred:hover .overlaye {

opacity: 0.9;

}

}

</style>

</head>

<body>

<div class="columns">

<a href="{{ url\_for('crop\_pred') }}">

<div class="column" id="crop\_yield">

<div class="overlay">

<div class="text">Crop Yield Prediction</div>

</div>

</div>

</a>

<a href="{{ url\_for('crop\_recommend') }}">

<div class="column" id="crop\_pred">

<div class="overlaye">

<div class="text">Crop Reccomendation</div>

</div>

</div></a>

</div>

</body>

</html>

**Cropres.html**

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<style>

body, html {

height: 100%;

margin: 0;

font-family: Arial, Helvetica, sans-serif;

}

.hero-image {

background-image: linear-gradient(rgba(0, 0, 0, 0.5), rgba(0, 0, 0, 0.5)), url("{{ url\_for('static', filename='assets/img/test-farms-headery.png') }}");

height: 100%;

background-position: center;

background-repeat: no-repeat;

background-size: cover;

position: relative;

}

.hero-text {

text-align: center;

position: absolute;

top: 50%;

left: 50%;

transform: translate(-50%, -50%);

color: white;

}

.hero-text button {

border: none;

outline: 0;

display: inline-block;

padding: 10px 25px;

color: black;

background-color: #ddd;

text-align: center;

cursor: pointer;

}

.hero-text button:hover {

background-color: #555;

color: white;

}

</style>

</head>

<body>

<div class="hero-image">

<div class="hero-text">

<h1 style="font-size:50px"><b>Your Crop yield will be <i>{{ prediction }} </i> tons approx</b></h1>

</div>

</div>

</body>

</html>

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta content="width=device-width, initial-scale=1.0" name="viewport">

<title>Farm-Cyield</title>

<meta content="" name="description">

<meta content="" name="keywords">

<!-- Favicons -->

<link href="{{ url\_for('static', filename='assets/img/favicon.png') }}" rel="icon">

<link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

<!-- Google Fonts -->

<link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,700,700i|Poppins:300,400,500,700" rel="stylesheet">

<!-- Vendor CSS Files -->

<link href="{{ url\_for('static', filename='assets/vendor/aos/aos.css') }}" rel="stylesheet">

<link href="{{ url\_for('static', filename='assets/vendor/bootstrap/css/bootstrap.min.css') }}" rel="stylesheet">

<link href="{{ url\_for('static', filename='assets/vendor/bootstrap-icons/bootstrap-icons.css') }}" rel="stylesheet">

<link href="{{ url\_for('static', filename='assets/vendor/boxicons/css/boxicons.min.css') }}" rel="stylesheet">

<link href="{{ url\_for('static', filename='assets/vendor/glightbox/css/glightbox.min.css') }}" rel="stylesheet">

<link href="{{ url\_for('static', filename='assets/vendor/swiper/swiper-bundle.min.css') }}" rel="stylesheet">

<!-- Template Main CSS File -->

<link href="{{ url\_for('static', filename='assets/css/style.css') }}" rel="stylesheet">

<!-- =======================================================

\* Template Name: Regna - v4.7.0

\* Template URL: https://bootstrapmade.com/regna-bootstrap-onepage-template/

\* Author: BootstrapMade.com

\* License: https://bootstrapmade.com/license/

======================================================== -->

</head>

<body>

<!-- ======= Hero Section ======= -->

<section id="hero">

<div class="hero-container" data-aos="zoom-in" data-aos-delay="100">

<h1>Welcome to Farm-Cyield</h1>

<h2>You can Predict yield of your crop before cultivation and Get reccomendation of crops</h2>

<a href="{{ url\_for('man') }}" class="btn-get-started">Get Started</a>

</div>

</section><!-- End Hero Section -->

<main id="main">

<!-- ======= About Section ======= -->

<section id="about">

<div class="container" data-aos="fade-up">

<div class="row about-container">

<div class="col-lg-6 content order-lg-1 order-2">

<h2 class="title">About This Website</h2>

<p>

Agriculture plays a major role in India's economic growth.

Therefore predicting crop yield before its cultivation can help farmers and the agriculture departments in deciding which crop is better to grow and take appropriate marketing and storage measures.

This Website focuses on predicting crop yield based on available data using Random Forest Machine Learning Algorithm and also give best recommendation on the type of Climate and soil in your Area.

</p>

<div class="icon-box" data-aos="fade-up" data-aos-delay="100">

<div class="icon"><i class="bi bi-briefcase"></i></div>

<h4 class="title"><a href="">Datasets used</a></h4>

<p class="description">The data used in the study was obtained from the website of the agricultural government portal. It contains state-wise, district-wise, crop-wise, season-wise, and year-wise data on crop covered area and production of crop yield in India.</p>

</div>

<div class="icon-box" data-aos="fade-up" data-aos-delay="200">

<div class="icon"><i class="bi bi-card-checklist"></i></div>

<h4 class="title"><a href="">Codes and Notebooks</a></h4>

<p class="description">All data preprocessing and analysis are done using the Google Colab and Azure for Machine Learning. You can Find the Jupyter Notebook in my Github Repo</p>

</div>

<div class="icon-box" data-aos="fade-up" data-aos-delay="300">

<div class="icon"><i class="bi bi-binoculars"></i></div>

<h4 class="title"><a href="">Based Research</a></h4>

<p class="description">In this Research, the focus of predicting and the calculating yield was done with the help of Several Regression (machine learning) techniques. Out of which we found that the Random Forest was the best model to predict the crop yield</p>

</div>

</div>

<div class="col-lg-6 background order-lg-2 order-1" data-aos="fade-left" data-aos-delay="100"></div>

</div>

</div>

</section><!-- End About Section -->

</main><!-- End #main -->

<!-- ======= Footer ======= -->

<footer id="footer">

<div class="footer-top">

<div class="container">

</div>

</div>

<div class="container">

<div class="credits">

<!--

All the links in the footer should remain intact.

You can delete the links only if you purchased the pro version.

Licensing information: https://bootstrapmade.com/license/

Purchase the pro version with working PHP/AJAX contact form: https://bootstrapmade.com/buy/?theme=Regna

-->

Made by <a href="https://github.com/Sowmya5G4">Sowmya5G4</a>

</div>

</div>

</footer><!-- End Footer -->

<a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="bi bi-arrow-up-short"></i></a>

<!-- Vendor JS Files -->

<script src="{{ url\_for('static', filename='assets/vendor/purecounter/purecounter.js') }}"></script>

<script src="{{ url\_for('static', filename='assets/vendor/aos/aos.js') }}"></script>

<script src="{{ url\_for('static', filename='assets/vendor/bootstrap/js/bootstrap.bundle.min.js') }}"></script>

<script src="{{ url\_for('static', filename='assets/vendor/glightbox/js/glightbox.min.js') }}"></script>

<script src="{{ url\_for('static', filename='assets/vendor/isotope-layout/isotope.pkgd.min.js') }}"></script>

<script src="{{ url\_for('static', filename='assets/vendor/swiper/swiper-bundle.min.js') }}"></script>

<script src="{{ url\_for('static', filename='assets/vendor/php-email-form/validate.js') }}"></script>

<!-- Template Main JS File -->

<script src="{{ url\_for('static', filename='assets/js/main.js') }}"></script>

</body>

</html>

**layout.html**

<!DOCTYPE html>

<html lang="en">

<head>

<title>{{ title }}</title>

<!-- for-mobile-apps -->

<meta name="viewport" content="width=device-width, initial-scale=1">

<meta charset="utf-8">

<meta name="keywords" content="Agro Harvest Responsive web template, Bootstrap Web Templates, Flat Web Templates, Android Compatible web template,

Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson, Motorola web design" />

<style>

html {

font-size: 1rem;

}

@media (min-width: 576px) {

html {

font-size: 1.25rem;

}

}

@media (min-width: 768px) {

html {

font-size: 1.5rem;

}

}

@media (min-width: 992px) {

html {

font-size: 1.75rem;

}

}

@media (min-width: 1200px) {

html {

font-size: 2rem;

}

html {

font-size: 1rem;

}

h1 {

font-size: 1.2rem;

}

h2 {

font-size: 1.1rem;

}

@media (min-width: 768px) {

html {

font-size: 1.1rem;

}

h1 {

font-size: 1.3rem;

}

h2 {

font-size: 1.2rem;

}

}

@media (min-width: 991px) {

html {

font-size: 1.2rem;

}

h1 {

font-size: 1.5rem;

}

h2 {

font-size: 1.4rem;

}

}

@media (min-width: 1200px) {

html {

font-size: 1.2rem;

}

h1 {

font-size: 1.7rem;

}

h2 {

font-size: 1.6rem;

}

}

}

</style>

<script>

addEventListener("load", function () {

setTimeout(hideURLbar, 0);

}, false);

function hideURLbar() {

window.scrollTo(0, 1);

}

</script>

<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"

integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"

crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"

integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"

crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"

integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"

crossorigin="anonymous"></script>

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"

integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"

crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"

integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"

crossorigin="anonymous"></script>

</body>

<!-- css files -->

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"

integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous">

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">

<!-- https://favicon.io/emoji-favicons/money-mouth-face/ -->

<link href="/static/favicon.ico" rel="icon">

<link href="/static/styles.css" rel="stylesheet">

<script type="text/JavaScript" src="{{ url\_for('static', filename='scripts/cities.js') }}"></script>

<!-- google fonts -->

<link href="//fonts.googleapis.com/css?family=Thasadith:400,400i,700,700i&amp;subset=latin-ext,thai,vietnamese"

rel="stylesheet">

<!-- //google fonts -->

<style>

header {

background-color: rgba(30, 30, 30, 1);

margin-top: 0rem;

display: block;

}

</style>

</head>

<body>

{% block body %} {% endblock %}

</body>

</html>

**try\_again.html**

{% extends 'layout.html' %} {% block body %}

<div class="container py-2 mx-auto my-50 h-10 text-center" style="margin: 9rem;">

<div class="row">

<div class="col-sm py-2 py-md-3">

<div class="card card-body" style="justify-content: center; background-color:blanchedalmond">

<h1 class="text-center" style="color: black; font-size: 20px;"><b>Sorry we couldn't process your request

currently. <br> Please try again</b></h1>

<a href="{{ url\_for('man') }}">

<button type="submit" class="btn btn-info text-center" style="

color: black;

font-weight: bold;

margin: 1rem;">

Try again

</button>

</a>

</div>

</div>

</div>

</div>

{%endblock%}

**crop\_rec.html**

<!DOCTYPE html>

<html>

<head>

<title>Crop Recmmendation</title>

<meta content="width=device-width, initial-scale=1.0" name="viewport">

<script type="text/JavaScript" src="{{ url\_for('static', filename='scripts/cities.js') }}"></script>

<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.4.1/css/all.css" integrity="sha384-5sAR7xN1Nv6T6+dT2mhtzEpVJvfS3NScPQTrOxhwjIuvcA67KV2R5Jz6kr4abQsz" crossorigin="anonymous">

<link href="https://fonts.googleapis.com/css?family=Roboto:300,400,500,700" rel="stylesheet">

<style>

html, body {

min-height: 100%;

}

body, div, form, input, select, p {

padding: 0;

margin: 0;

outline: none;

font-family: Roboto, Arial, sans-serif;

font-size: 16px;

color: #eee;

}

body {

background: url("https://rootgrowbloom.com/wp-content/uploads/2018/04/4-Tips-to-Cultivate-Healthy-Soil.jpg") no-repeat center;

background-size: cover;

}

h1, h2 {

text-transform: uppercase;

font-weight: 400;

}

h2 {

margin: 0 0 0 8px;

}

.main-block {

display: flex;

flex-direction: column;

justify-content: center;

align-items: center;

height: 100%;

padding: 25px;

background: rgba(0, 0, 0, 0.5);

}

.left-part, form {

padding: 25px;

}

.left-part {

text-align: center;

}

.fa-graduation-cap {

font-size: 72px;

}

form {

background: rgba(0, 0, 0, 0.7);

}

.title {

display: flex;

align-items: center;

margin-bottom: 20px;

}

.info {

display: flex;

flex-direction: column;

}

input, select {

padding: 5px;

margin-bottom: 30px;

background: transparent;

border: none;

border-bottom: 1px solid #eee;

}

input::placeholder {

color: #eee;

}

option:focus {

border: none;

}

option {

background: black;

border: none;

}

.checkbox input {

margin: 0 10px 0 0;

vertical-align: middle;

}

.checkbox a {

color: #26a9e0;

}

.checkbox a:hover {

color: #85d6de;

}

.btn-item, button {

padding: 10px 5px;

margin-top: 20px;

border-radius: 5px;

border: none;

background: #26a9e0;

text-decoration: none;

font-size: 15px;

font-weight: 400;

color: #fff;

}

.btn-item {

display: inline-block;

margin: 20px 5px 0;

}

button {

width: 100%;

}

button:hover, .btn-item:hover {

background: #85d6de;

}

@media (min-width: 568px) {

html, body {

height: 100%;

}

.main-block {

flex-direction: row;

height: calc(100% - 50px);

}

.left-part, form {

flex: 1;

height: auto;

}

}

</style>

</head>

<body>

<div class="main-block">

<div class="left-part">

<i class="fas fa-leaf"></i>

<h1 style="font-size: 40px;">Get Crop Recommendation</h1>

<p style="font-size: 20px;">grow in your farm</p>

</div>

<form method="POST" action="{{ url\_for('crop\_prediction') }}">

<div class="title">

</div>

<div class="info">

<input class="fname" type="number" id="Nitrogen" name="nitrogen" placeholder="Enter Nitrogen Content (example:50)" required>

<input type="number" id="Phosphorous" name="phosphorous" placeholder="Enter Phosphorous Content (example:50)" required>

<input type="number" id="Pottasium" name="pottasium" placeholder="Enter Pottasium Content (example:50)" required>

<input type="number" step="0.01" id="ph" name="ph" placeholder="Enter PH value" required>

<input type="number" step="0.01" id="Rainfall" name="rainfall" placeholder="Enter Rainfall value" required>

<div>

<select onchange="print\_city('state', this.selectedIndex);" id="sts" name="stt"></select>

</br>

<select id="state" name="city" required ></select>

<script language="javascript">

print\_state("sts");

</script>

</div>

</div>

<button type="submit">Predict</button>

</form>

</div>

</body>

</html>

**crem.html**

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<style>

body, html {

height: 100%;

margin: 0;

font-family: Arial, Helvetica, sans-serif;

}

.hero-image {

background-image: linear-gradient(rgba(0, 0, 0, 0.5), rgba(0, 0, 0, 0.5)), url("https://cdn.pixabay.com/photo/2016/09/21/04/46/barley-field-1684052\_\_480.jpg");

height: 100%;

background-position: center;

background-repeat: no-repeat;

background-size: cover;

position: relative;

}

.hero-text {

text-align: center;

position: absolute;

top: 50%;

left: 50%;

transform: translate(-50%, -50%);

color: white;

}

.hero-text button {

border: none;

outline: 0;

display: inline-block;

padding: 10px 25px;

color: black;

background-color: #ddd;

text-align: center;

cursor: pointer;

}

.hero-text button:hover {

background-color: #555;

color: white;

}

</style>

</head>

<body>

<div class="hero-image">

<div class="hero-text">

<h1 style="font-size:50px"><b>You should grow <i>{{ prediction }} </i>in your farm</b></h1>

</div>

</div>

</body>

</html>

**cred.html**

<!DOCTYPE html>

<html>

<head>

<title>Crop Yield Prediction</title>

<meta content="width=device-width, initial-scale=1.0" name="viewport">

<script type="text/JavaScript" src="{{ url\_for('static', filename='scripts/cities.js') }}"></script>

<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.4.1/css/all.css" integrity="sha384-5sAR7xN1Nv6T6+dT2mhtzEpVJvfS3NScPQTrOxhwjIuvcA67KV2R5Jz6kr4abQsz" crossorigin="anonymous">

<link href="https://fonts.googleapis.com/css?family=Roboto:300,400,500,700" rel="stylesheet">

<style>

html, body {

min-height: 100%;

}

body, div, form, input, select, p {

padding: 0;

margin: 0;

outline: none;

font-family: Roboto, Arial, sans-serif;

font-size: 16px;

color: #eee;

}

body {

background: url("https://www.agrifarming.in/wp-content/uploads/2021/03/agriculture-1552390\_1920.jpg") no-repeat center;

background-size: cover;

}

h1, h2 {

text-transform: uppercase;

font-weight: 400;

}

h2 {

margin: 0 0 0 8px;

}

.main-block {

display: flex;

flex-direction: column;

justify-content: center;

align-items: center;

height: 100%;

padding: 25px;

background: rgba(0, 0, 0, 0.5);

}

.left-part, form {

padding: 25px;

}

.left-part {

text-align: center;

}

.fa-graduation-cap {

font-size: 72px;

}

form {

background: rgba(0, 0, 0, 0.7);

}

.title {

display: flex;

align-items: center;

margin-bottom: 20px;

}

.info {

display: flex;

flex-direction: column;

}

input, select {

padding: 5px;

margin-bottom: 30px;

background: transparent;

border: none;

border-bottom: 1px solid #eee;

}

input::placeholder {

color: #eee;

}

option:focus {

border: none;

}

option {

background: black;

border: none;

}

.checkbox input {

margin: 0 10px 0 0;

vertical-align: middle;

}

.checkbox a {

color: #26a9e0;

}

.checkbox a:hover {

color: #85d6de;

}

.btn-item, button {

padding: 10px 5px;

margin-top: 20px;

border-radius: 5px;

border: none;

background: #26a9e0;

text-decoration: none;

font-size: 15px;

font-weight: 400;

color: #fff;

}

.btn-item {

display: inline-block;

margin: 20px 5px 0;

}

button {

width: 100%;

}

button:hover, .btn-item:hover {

background: #85d6de;

}

@media (min-width: 568px) {

html, body {

height: 100%;

}

.main-block {

flex-direction: row;

height: calc(100% - 50px);

}

.left-part, form {

flex: 1;

height: auto;

}

}

</style>

</head>

<body>

<div class="main-block">

<div class="left-part">

<i class="fas fa-leaf"></i>

<h1 style="font-size: 40px;">Predict Your Yield</h1>

<p style="font-size: 20px;">grow in your farm</p>

</div>

<form method="POST" action="{{ url\_for('crop\_yield') }}">

<div class="title">

</div>

<div class="info">

<input type="text" id="crop" name="crop" placeholder="Enter the crop" autocomplete="off" required>

<input type="number" id="area" name="area" placeholder="Enter the Area" required>

<select name="season" id="season" required>

<option style="display: none;">Enter the Season</option>

<option value=0>Autumn</option>

<option value=1>Kharif</option>

<option value=2>Rabi</option>

<option value=3>Summer</option>

<option value=4>Whole Year</option>

<option value=5>Winter</option>

</select>

<div>

<select onchange="print\_city('state', this.selectedIndex);" id="sts" name="stt"></select>

</br>

<select id="state" name="city" required ></select>

<script language="javascript">

print\_state("sts");

</script>

</div>

</div>

<button type="submit">Predict</button>

</form>

</div>

</body>

</html>

**style.css**

/\*\*

\* Template Name: Regna - v4.7.0

\* Template URL: https://bootstrapmade.com/regna-bootstrap-onepage-template/

\* Author: BootstrapMade.com

\* License: https://bootstrapmade.com/license/

\*/

/\*--------------------------------------------------------------

# General

--------------------------------------------------------------\*/

body {

background: #fff;

color: #666666;

font-family: "Open Sans", sans-serif;

}

a {

color: #2dc997;

text-decoration: none;

}

a:hover, a:active, a:focus {

color: #2dca98;

outline: none;

text-decoration: none;

}

p {

padding: 0;

margin: 0 0 30px 0;

}

h1, h2, h3, h4, h5, h6 {

font-family: "Poppins", sans-serif;

font-weight: 400;

margin: 0 0 20px 0;

padding: 0;

}

/\*--------------------------------------------------------------

# Back to top button

--------------------------------------------------------------\*/

.back-to-top {

position: fixed;

visibility: hidden;

opacity: 0;

right: 15px;

bottom: 15px;

z-index: 996;

background: #2dc997;

width: 40px;

height: 40px;

border-radius: 4px;

transition: all 0.4s;

}

.back-to-top i {

font-size: 28px;

color: #fff;

line-height: 0;

}

.back-to-top:hover {

background: #49d6a9;

color: #fff;

}

.back-to-top.active {

visibility: visible;

opacity: 1;

}

/\*--------------------------------------------------------------

# Disable AOS delay on mobile

--------------------------------------------------------------\*/

@media screen and (max-width: 768px) {

[data-aos-delay] {

transition-delay: 0 !important;

}

}

/\*--------------------------------------------------------------

# Header

--------------------------------------------------------------\*/

#header {

height: 90px;

transition: all 0.5s;

z-index: 997;

background: rgba(52, 59, 64, 0.9);

}

#header #logo h1 {

font-size: 32px;

margin: 0;

line-height: 1;

font-family: "Poppins", sans-serif;

font-weight: 700;

letter-spacing: 3px;

text-transform: uppercase;

}

#header #logo h1 a, #header #logo h1 a:hover {

color: #fff;

}

#header #logo img {

padding: 0;

margin: 0;

}

#header.header-transparent {

background: transparent;

}

#header.header-scrolled {

background: rgba(52, 59, 64, 0.9);

height: 70px;

transition: all 0.5s;

}

.scrolled-offset {

margin-top: 70px;

}

/\*--------------------------------------------------------------

# Navigation Menu

--------------------------------------------------------------\*/

/\*\*

\* Desktop Navigation

\*/

.navbar {

padding: 0;

}

.navbar ul {

margin: 0;

padding: 0;

display: flex;

list-style: none;

align-items: center;

}

.navbar li {

position: relative;

}

.navbar > ul > li {

white-space: nowrap;

padding: 10px 0 10px 24px;

}

.navbar a, .navbar a:focus {

display: flex;

align-items: center;

justify-content: space-between;

font-family: "Poppins", sans-serif;

color: #fff;

font-size: 14px;

padding: 0 4px;

white-space: nowrap;

transition: 0.3s;

letter-spacing: 0.4px;

position: relative;

text-transform: uppercase;

}

.navbar a i, .navbar a:focus i {

font-size: 12px;

line-height: 0;

margin-left: 5px;

}

.navbar > ul > li > a:before {

content: "";

position: absolute;

width: 100%;

height: 2px;

bottom: -6px;

left: 0;

background-color: #2dc997;

visibility: hidden;

transform: scaleX(0);

transition: all 0.3s ease-in-out 0s;

}

.navbar a:hover:before, .navbar li:hover > a:before, .navbar .active:before {

visibility: visible;

transform: scaleX(1);

}

.navbar a:hover, .navbar .active, .navbar .active:focus, .navbar li:hover > a {

color: #fff;

}

.navbar .dropdown ul {

display: block;

position: absolute;

left: 24px;

top: calc(100% + 30px);

margin: 0;

padding: 10px 0;

z-index: 99;

opacity: 0;

visibility: hidden;

background: #fff;

box-shadow: 0px 0px 30px rgba(127, 137, 161, 0.25);

transition: 0.3s;

}

.navbar .dropdown ul li {

min-width: 200px;

}

.navbar .dropdown ul a {

padding: 10px 20px;

font-size: 14px;

text-transform: none;

color: #666666;

}

.navbar .dropdown ul a i {

font-size: 12px;

}

.navbar .dropdown ul a:hover, .navbar .dropdown ul .active:hover, .navbar .dropdown ul li:hover > a {

color: #2dc997;

}

.navbar .dropdown:hover > ul {

opacity: 1;

top: 100%;

visibility: visible;

}

.navbar .dropdown .dropdown ul {

top: 0;

left: calc(100% - 30px);

visibility: hidden;

}

.navbar .dropdown .dropdown:hover > ul {

opacity: 1;

top: 0;

left: 100%;

visibility: visible;

}

@media (max-width: 1366px) {

.navbar .dropdown .dropdown ul {

left: -90%;

}

.navbar .dropdown .dropdown:hover > ul {

left: -100%;

}

}

/\*\*

\* Mobile Navigation

\*/

.mobile-nav-toggle {

color: #fff;

font-size: 28px;

cursor: pointer;

display: none;

line-height: 0;

transition: 0.5s;

}

@media (max-width: 991px) {

.mobile-nav-toggle {

display: block;

}

.navbar ul {

display: none;

}

}

.navbar-mobile {

position: fixed;

overflow: hidden;

top: 0;

right: 0;

left: 0;

bottom: 0;

background: rgba(77, 77, 77, 0.9);

transition: 0.3s;

z-index: 999;

}

.navbar-mobile .mobile-nav-toggle {

position: absolute;

top: 15px;

right: 15px;

}

.navbar-mobile ul {

display: block;

position: absolute;

top: 55px;

right: 15px;

bottom: 15px;

left: 15px;

padding: 10px 0;

background-color: #fff;

overflow-y: auto;

transition: 0.3s;

}

.navbar-mobile > ul > li {

padding: 0;

}

.navbar-mobile a:hover:before, .navbar-mobile li:hover > a:before, .navbar-mobile .active:before {

visibility: hidden;

}

.navbar-mobile a, .navbar-mobile a:focus {

padding: 10px 20px;

font-size: 15px;

color: #666666;

}

.navbar-mobile a:hover, .navbar-mobile .active, .navbar-mobile li:hover > a {

color: #2dc997;

}

.navbar-mobile .getstarted, .navbar-mobile .getstarted:focus {

margin: 15px;

}

.navbar-mobile .dropdown ul {

position: static;

display: none;

margin: 10px 20px;

padding: 10px 0;

z-index: 99;

opacity: 1;

visibility: visible;

background: #fff;

box-shadow: 0px 0px 30px rgba(127, 137, 161, 0.25);

}

.navbar-mobile .dropdown ul li {

min-width: 200px;

}

.navbar-mobile .dropdown ul a {

padding: 10px 20px;

}

.navbar-mobile .dropdown ul a i {

font-size: 12px;

}

.navbar-mobile .dropdown ul a:hover, .navbar-mobile .dropdown ul .active:hover, .navbar-mobile .dropdown ul li:hover > a {

color: #2dc997;

}

.navbar-mobile .dropdown > .dropdown-active {

display: block;

}

/\*--------------------------------------------------------------

# Hero Section

--------------------------------------------------------------\*/

#hero {

width: 100%;

height: 100vh;

background: url(../img/hero-bg.jpg) top center;

background-size: cover;

position: relative;

}

@media (min-width: 1024px) {

#hero {

background-attachment: fixed;

}

}

#hero:before {

content: "";

background: rgba(0, 0, 0, 0.6);

position: absolute;

bottom: 0;

top: 0;

left: 0;

right: 0;

}

#hero .hero-container {

position: absolute;

bottom: 0;

top: 0;

left: 0;

right: 0;

display: flex;

justify-content: center;

align-items: center;

flex-direction: column;

text-align: center;

}

#hero h1 {

margin: 30px 0 10px 0;

font-size: 48px;

font-weight: 700;

line-height: 56px;

text-transform: uppercase;

color: #fff;

}

@media (max-width: 768px) {

#hero h1 {

font-size: 28px;

line-height: 36px;

}

}

#hero h2 {

color: #eee;

margin-bottom: 50px;

font-size: 24px;

}

@media (max-width: 768px) {

#hero h2 {

font-size: 18px;

line-height: 24px;

margin-bottom: 30px;

}

}

#hero .btn-get-started {

font-family: "Poppins", sans-serif;

text-transform: uppercase;

font-weight: 500;

font-size: 16px;

letter-spacing: 1px;

display: inline-block;

padding: 8px 28px;

border-radius: 50px;

transition: 0.5s;

margin: 10px;

border: 2px solid #fff;

color: #fff;

}

#hero .btn-get-started:hover {

background: #2dc997;

border: 2px solid #2dc997;

}

/\*--------------------------------------------------------------

# Sections

--------------------------------------------------------------\*/

section {

overflow: hidden;

}

/\* Sections Header

--------------------------------\*/

.section-header .section-title {

font-size: 32px;

color: #111;

text-transform: uppercase;

text-align: center;

font-weight: 700;

margin-bottom: 5px;

}

.section-header .section-description {

text-align: center;

padding-bottom: 40px;

color: #999;

}

/\*--------------------------------------------------------------

# Breadcrumbs

--------------------------------------------------------------\*/

.breadcrumbs {

padding: 20px 0;

background-color: whitesmoke;

min-height: 40px;

margin-top: 92px;

}

.breadcrumbs h2 {

font-size: 24px;

font-weight: 300;

margin: 0;

}

@media (max-width: 992px) {

.breadcrumbs h2 {

margin: 0 0 10px 0;

}

}

.breadcrumbs ol {

display: flex;

flex-wrap: wrap;

list-style: none;

padding: 0;

margin: 0;

font-size: 14px;

}

.breadcrumbs ol li + li {

padding-left: 10px;

}

.breadcrumbs ol li + li::before {

display: inline-block;

padding-right: 10px;

color: #6c757d;

content: "/";

}

@media (max-width: 768px) {

.breadcrumbs .d-flex {

display: block !important;

}

.breadcrumbs ol {

display: block;

}

.breadcrumbs ol li {

display: inline-block;

}

}

/\* About Us Section

--------------------------------\*/

#about {

background: #fff;

padding: 80px 0;

}

#about .about-container .background {

min-height: 300px;

background: url(../img/about-img.jpg) center top no-repeat;

margin-bottom: 10px;

}

#about .about-container .content {

background: #fff;

}

#about .about-container .title {

color: #333;

font-weight: 700;

font-size: 32px;

}

@media (max-width: 768px) {

#about .about-container .title {

padding-top: 15px;

}

}

#about .about-container p {

line-height: 26px;

}

#about .about-container p:last-child {

margin-bottom: 0;

}

#about .about-container .icon-box {

background: #fff;

background-size: cover;

padding: 0 0 30px 0;

}

#about .about-container .icon-box .icon {

float: left;

background: #fff;

width: 64px;

height: 64px;

display: flex;

justify-content: center;

align-items: center;

flex-direction: column;

text-align: center;

border-radius: 50%;

border: 2px solid #2dc997;

}

#about .about-container .icon-box .icon i {

color: #2dc997;

font-size: 24px;

line-height: 0;

}

#about .about-container .icon-box .title {

margin-left: 80px;

font-weight: 500;

margin-bottom: 5px;

font-size: 18px;

text-transform: uppercase;

}

#about .about-container .icon-box .title a {

color: #111;

}

#about .about-container .icon-box .description {

margin-left: 80px;

line-height: 24px;

font-size: 14px;

}

/\* Facts Section

--------------------------------\*/

#facts {

background: #f7f7f7;

padding: 80px 0 60px 0;

}

#facts .counters span {

font-size: 48px;

display: block;

color: #2dc997;

}

#facts .counters p {

padding: 0;

margin: 0 0 20px 0;

font-family: "Poppins", sans-serif;

font-size: 14px;

}

/\* Services Section

--------------------------------\*/

#services {

background: #fff;

background-size: cover;

padding: 80px 0 60px 0;

}

#services .box {

padding: 50px 20px;

margin-bottom: 50px;

text-align: center;

border: 1px solid #e6e6e6;

height: 200px;

position: relative;

background: #fafafa;

}

#services .icon {

position: absolute;

top: -36px;

left: calc(50% - 36px);

transition: 0.2s;

border-radius: 50%;

border: 6px solid #fff;

display: flex;

justify-content: center;

align-items: center;

flex-direction: column;

text-align: center;

width: 72px;

height: 72px;

background: #2dc997;

}

#services .icon a {

display: inline-block;

}

#services .icon i {

color: #fff;

font-size: 24px;

line-height: 0;

}

#services .box:hover .icon {

background: #fff;

border: 2px solid #2dc997;

}

#services .box:hover .icon i {

color: #2dc997;

}

#services .box:hover .icon a {

color: #2dc997;

}

#services .title {

font-weight: 700;

font-size: 18px;

margin-bottom: 15px;

text-transform: uppercase;

}

#services .title a {

color: #111;

}

#services .description {

font-size: 14px;

line-height: 24px;

}

/\* Call To Action Section

--------------------------------\*/

#call-to-action {

background: linear-gradient(rgba(0, 0, 0, 0.6), rgba(0, 0, 0, 0.6)), url(../img/call-to-action-bg.jpg) fixed center center;

background-size: cover;

padding: 80px 0;

}

@media (max-width: 1024px) {

#call-to-action {

background-attachment: scroll;

}

}

#call-to-action .cta-title {

color: #fff;

font-size: 28px;

font-weight: 700;

}

#call-to-action .cta-text {

color: #fff;

}

@media (min-width: 769px) {

#call-to-action .cta-btn-container {

display: flex;

align-items: center;

justify-content: flex-end;

}

}

#call-to-action .cta-btn {

font-family: "Poppins", sans-serif;

text-transform: uppercase;

font-weight: 500;

font-size: 16px;

letter-spacing: 1px;

display: inline-block;

padding: 8px 30px;

border-radius: 50px;

transition: 0.5s;

margin: 10px;

border: 2px solid #fff;

color: #fff;

}

#call-to-action .cta-btn:hover {

background: #2dc997;

border: 2px solid #2dc997;

}

/\* Portfolio Section

--------------------------------\*/

#portfolio {

background: #f7f7f7;

padding: 80px 0;

}

#portfolio #portfolio-flters {

padding: 0;

margin: 0 auto 25px auto;

list-style: none;

text-align: center;

border-radius: 50px;

}

#portfolio #portfolio-flters li {

cursor: pointer;

display: inline-block;

padding: 12px 18px 14px 18px;

font-size: 14px;

font-weight: 500;

line-height: 1;

color: #666666;

margin: 0 5px 10px 5px;

transition: all ease-in-out 0.3s;

background: white;

border-radius: 4px;

}

#portfolio #portfolio-flters li:hover, #portfolio #portfolio-flters li.filter-active {

color: #fff;

background: #2dc997;

}

#portfolio #portfolio-flters li:last-child {

margin-right: 0;

}

#portfolio .portfolio-item {

margin-bottom: 30px;

overflow: hidden;

}

#portfolio .portfolio-item img {

position: relative;

top: 0;

transition: all 0.6s cubic-bezier(0.645, 0.045, 0.355, 1);

}

#portfolio .portfolio-item .portfolio-info {

opacity: 0;

position: absolute;

left: 12px;

right: 12px;

bottom: -50px;

z-index: 3;

transition: all ease-in-out 0.3s;

background: #2dc997;

padding: 15px 20px;

}

#portfolio .portfolio-item .portfolio-info h4 {

font-size: 18px;

color: #fff;

font-weight: 600;

}

#portfolio .portfolio-item .portfolio-info p {

color: #fff;

font-size: 14px;

margin-bottom: 0;

}

#portfolio .portfolio-item .portfolio-info .preview-link, #portfolio .portfolio-item .portfolio-info .details-link {

position: absolute;

right: 50px;

font-size: 24px;

top: calc(50% - 18px);

color: white;

transition: ease-in-out 0.3s;

}

#portfolio .portfolio-item .portfolio-info .preview-link:hover, #portfolio .portfolio-item .portfolio-info .details-link:hover {

color: #a4ebd4;

}

#portfolio .portfolio-item .portfolio-info .details-link {

right: 15px;

}

#portfolio .portfolio-item:hover img {

top: -30px;

}

#portfolio .portfolio-item:hover .portfolio-info {

opacity: 1;

bottom: 0;

}

/\*--------------------------------------------------------------

# Portfolio Details

--------------------------------------------------------------\*/

.portfolio-details {

padding-top: 40px;

}

.portfolio-details .portfolio-details-slider img {

width: 100%;

}

.portfolio-details .portfolio-details-slider .swiper-pagination {

margin-top: 20px;

position: relative;

}

.portfolio-details .portfolio-details-slider .swiper-pagination .swiper-pagination-bullet {

width: 12px;

height: 12px;

background-color: #fff;

opacity: 1;

border: 1px solid #2dc997;

}

.portfolio-details .portfolio-details-slider .swiper-pagination .swiper-pagination-bullet-active {

background-color: #2dc997;

}

.portfolio-details .portfolio-info {

padding: 30px;

box-shadow: 0px 0 30px rgba(102, 102, 102, 0.08);

}

.portfolio-details .portfolio-info h3 {

font-size: 22px;

font-weight: 700;

margin-bottom: 20px;

padding-bottom: 20px;

border-bottom: 1px solid #eee;

}

.portfolio-details .portfolio-info ul {

list-style: none;

padding: 0;

font-size: 15px;

}

.portfolio-details .portfolio-info ul li + li {

margin-top: 10px;

}

.portfolio-details .portfolio-description {

padding-top: 30px;

}

.portfolio-details .portfolio-description h2 {

font-size: 26px;

font-weight: 700;

margin-bottom: 20px;

}

.portfolio-details .portfolio-description p {

padding: 0;

}

/\* Team Section

--------------------------------\*/

#team {

background: #fff;

padding: 80px 0 60px 0;

}

#team .member {

text-align: center;

margin-bottom: 20px;

}

#team .member .pic {

margin-bottom: 15px;

overflow: hidden;

height: 260px;

}

#team .member .pic img {

max-width: 100%;

}

#team .member h4 {

font-weight: 700;

margin-bottom: 2px;

font-size: 18px;

}

#team .member span {

font-style: italic;

display: block;

font-size: 13px;

}

#team .member .social {

margin-top: 15px;

}

#team .member .social a {

color: #b3b3b3;

}

#team .member .social a:hover {

color: #2dc997;

}

#team .member .social i {

font-size: 18px;

margin: 0 2px;

}

/\* Contact Section

--------------------------------\*/

#contact {

background: #f7f7f7;

padding: 80px 0 40px 0;

}

#contact #google-map {

height: 300px;

margin-bottom: 20px;

}

#contact .info {

color: #333333;

}

#contact .info i {

font-size: 32px;

color: #2dc997;

float: left;

line-height: 0;

}

#contact .info p {

padding: 0 0 10px 50px;

margin-bottom: 20px;

line-height: 22px;

font-size: 14px;

}

#contact .info .email p {

padding-top: 5px;

}

#contact .social-links {

padding: 20px 0;

}

#contact .social-links a {

font-size: 18px;

background: #333;

color: #fff;

line-height: 1;

border-radius: 50%;

text-align: center;

width: 36px;

height: 36px;

transition: 0.3s;

display: inline-flex;

align-items: center;

justify-content: center;

}

#contact .social-links a i {

line-height: 0;

}

#contact .social-links a:hover {

background: #2dc997;

color: #fff;

}

#contact .php-email-form .error-message {

display: none;

color: #fff;

background: #ed3c0d;

text-align: left;

padding: 15px;

font-weight: 600;

}

#contact .php-email-form .error-message br + br {

margin-top: 25px;

}

#contact .php-email-form .sent-message {

display: none;

color: #fff;

background: #18d26e;

text-align: center;

padding: 15px;

font-weight: 600;

}

#contact .php-email-form .loading {

display: none;

background: #fff;

text-align: center;

padding: 15px;

}

#contact .php-email-form .loading:before {

content: "";

display: inline-block;

border-radius: 50%;

width: 24px;

height: 24px;

margin: 0 10px -6px 0;

border: 3px solid #18d26e;

border-top-color: #eee;

-webkit-animation: animate-loading 1s linear infinite;

animation: animate-loading 1s linear infinite;

}

#contact .php-email-form input, #contact .php-email-form textarea {

border-radius: 0;

box-shadow: none;

font-size: 14px;

}

#contact .php-email-form input::focus, #contact .php-email-form textarea::focus {

background-color: #2dc997;

}

#contact .php-email-form button[type=submit] {

background: #2dc997;

border: 0;

padding: 10px 24px;

color: #fff;

transition: 0.4s;

}

#contact .php-email-form button[type=submit]:hover {

background: #51d8ad;

}

@-webkit-keyframes animate-loading {

0% {

transform: rotate(0deg);

}

100% {

transform: rotate(360deg);

}

}

@keyframes animate-loading {

0% {

transform: rotate(0deg);

}

100% {

transform: rotate(360deg);

}

}

/\*--------------------------------------------------------------

# Footer

--------------------------------------------------------------\*/

#footer {

background: #343b40;

padding: 30px 0;

color: #fff;

font-size: 14px;

}

#footer .copyright {

text-align: center;

}

#footer .credits {

padding-top: 10px;

text-align: center;

font-size: 13px;

color: #ccc;

}

**main.js**

/\*\*

\* Template Name: Regna - v4.7.0

\* Template URL: https://bootstrapmade.com/regna-bootstrap-onepage-template/

\* Author: BootstrapMade.com

\* License: https://bootstrapmade.com/license/

\*/

(function() {

"use strict";

/\*\*

\* Easy selector helper function

\*/

const select = (el, all = false) => {

el = el.trim()

if (all) {

return [...document.querySelectorAll(el)]

} else {

return document.querySelector(el)

}

}

/\*\*

\* Easy event listener function

\*/

const on = (type, el, listener, all = false) => {

let selectEl = select(el, all)

if (selectEl) {

if (all) {

selectEl.forEach(e => e.addEventListener(type, listener))

} else {

selectEl.addEventListener(type, listener)

}

}

}

/\*\*

\* Easy on scroll event listener

\*/

const onscroll = (el, listener) => {

el.addEventListener('scroll', listener)

}

/\*\*

\* Navbar links active state on scroll

\*/

let navbarlinks = select('#navbar .scrollto', true)

const navbarlinksActive = () => {

let position = window.scrollY + 200

navbarlinks.forEach(navbarlink => {

if (!navbarlink.hash) return

let section = select(navbarlink.hash)

if (!section) return

if (position >= section.offsetTop && position <= (section.offsetTop + section.offsetHeight)) {

navbarlink.classList.add('active')

} else {

navbarlink.classList.remove('active')

}

})

}

window.addEventListener('load', navbarlinksActive)

onscroll(document, navbarlinksActive)

/\*\*

\* Scrolls to an element with header offset

\*/

const scrollto = (el) => {

let header = select('#header')

let offset = header.offsetHeight

if (!header.classList.contains('header-scrolled')) {

offset -= 20

}

let elementPos = select(el).offsetTop

window.scrollTo({

top: elementPos - offset,

behavior: 'smooth'

})

}

/\*\*

\* Toggle .header-scrolled class to #header when page is scrolled

\*/

let selectHeader = select('#header')

if (selectHeader) {

const headerScrolled = () => {

if (window.scrollY > 100) {

selectHeader.classList.add('header-scrolled')

} else {

selectHeader.classList.remove('header-scrolled')

}

}

window.addEventListener('load', headerScrolled)

onscroll(document, headerScrolled)

}

/\*\*

\* Back to top button

\*/

let backtotop = select('.back-to-top')

if (backtotop) {

const toggleBacktotop = () => {

if (window.scrollY > 100) {

backtotop.classList.add('active')

} else {

backtotop.classList.remove('active')

}

}

window.addEventListener('load', toggleBacktotop)

onscroll(document, toggleBacktotop)

}

/\*\*

\* Mobile nav toggle

\*/

on('click', '.mobile-nav-toggle', function(e) {

select('#navbar').classList.toggle('navbar-mobile')

this.classList.toggle('bi-list')

this.classList.toggle('bi-x')

})

/\*\*

\* Mobile nav dropdowns activate

\*/

on('click', '.navbar .dropdown > a', function(e) {

if (select('#navbar').classList.contains('navbar-mobile')) {

e.preventDefault()

this.nextElementSibling.classList.toggle('dropdown-active')

}

}, true)

/\*\*

\* Scrool with ofset on links with a class name .scrollto

\*/

on('click', '.scrollto', function(e) {

if (select(this.hash)) {

e.preventDefault()

let navbar = select('#navbar')

if (navbar.classList.contains('navbar-mobile')) {

navbar.classList.remove('navbar-mobile')

let navbarToggle = select('.mobile-nav-toggle')

navbarToggle.classList.toggle('bi-list')

navbarToggle.classList.toggle('bi-x')

}

scrollto(this.hash)

}

}, true)

/\*\*

\* Scroll with ofset on page load with hash links in the url

\*/

window.addEventListener('load', () => {

if (window.location.hash) {

if (select(window.location.hash)) {

scrollto(window.location.hash)

}

}

});

/\*\*

\* Porfolio isotope and filter

\*/

window.addEventListener('load', () => {

let portfolioContainer = select('.portfolio-container');

if (portfolioContainer) {

let portfolioIsotope = new Isotope(portfolioContainer, {

itemSelector: '.portfolio-item',

layoutMode: 'fitRows'

});

let portfolioFilters = select('#portfolio-flters li', true);

on('click', '#portfolio-flters li', function(e) {

e.preventDefault();

portfolioFilters.forEach(function(el) {

el.classList.remove('filter-active');

});

this.classList.add('filter-active');

portfolioIsotope.arrange({

filter: this.getAttribute('data-filter')

});

portfolioIsotope.on('arrangeComplete', function() {

AOS.refresh()

});

}, true);

}

});

/\*\*

\* Initiate portfolio lightbox

\*/

const portfolioLightbox = GLightbox({

selector: '.portfolio-lightbox'

});

/\*\*

\* Portfolio details slider

\*/

new Swiper('.portfolio-details-slider', {

speed: 400,

loop: true,

autoplay: {

delay: 5000,

disableOnInteraction: false

},

pagination: {

el: '.swiper-pagination',

type: 'bullets',

clickable: true

}

});

/\*\*

\* Animation on scroll

\*/

window.addEventListener('load', () => {

AOS.init({

duration: 1000,

easing: 'ease-in-out',

once: true,

mirror: false

})

});

})()

**requirements.txt**

requests

Flask==1.1.1

gunicorn==20.1.0

itsdangerous==1.1.0

Jinja2==2.11.1

MarkupSafe==1.1.1

Werkzeug==1.0.0

numpy>=1.18.5

scipy>=0.15.1

scikit-learn>=0.18

matplotlib>=1.4.3

pandas>=1.0.4