<!DOCTYPE html>

<!--

This is a starter template page. Use this page to start your new project from

scratch. This page gets rid of all links and provides the needed markup only.

-->

<html lang="en">

<head>

<meta charset="utf-8" />

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

<title>Parkinson Detection</title>

<!-- Google Font: Source Sans Pro -->

<link

rel="stylesheet"

href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback"

/>

<!-- Font Awesome Icons -->

<link

rel="stylesheet"

href="../static/plugins/fontawesome-free/css/all.min.css"

/>

<!-- Theme style -->

<link rel="stylesheet" href="../static/dist/css/adminlte.min.css" />

<link

rel="stylesheet"

href="https://cdn.jsdelivr.net/npm/admin-lte@3.1/dist/css/adminlte.min.css"

/>

</head>

<body

class="hold-transition layout-top-nav layout-footer-fixed layout-navbar-fixed"

>

<div class="wrapper">

<!-- Navbar -->

<nav

class="main-header navbar navbar-expand-md navbar-dark accent-primary"

>

<div class="container">

<a href="/" class="navbar-brand">

<img

src="../static/dist/img/plogo.jpg"

alt="Logo"

class="brand-image img-circle elevation-3"

style="opacity: 0.8"

/>

<span class="brand-text font-weight-light"

><b>Parkinson Detector</b></span

>

</a>

<button

class="navbar-toggler order-1"

type="button"

data-toggle="collapse"

data-target="#navbarCollapse"

aria-controls="navbarCollapse"

aria-expanded="false"

aria-label="Toggle navigation"

>

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse order-3" id="navbarCollapse">

<!-- Left navbar links -->

<ul class="navbar-nav">

<li class="nav-item">

<a href="/" class="nav-link">Home</a>

</li>

<li class="nav-item">

<a href="/info" class="nav-link">Info</a>

</li>

<li class="nav-item">

<a href="/test" class="nav-link">Predict</a>

</li>

</ul>

</div>

<!-- Right navbar links -->

<ul class="order-1 order-md-3 navbar-nav navbar-no-expand ml-auto">

<li class="nav-item">

<button

type="button"

onclick="switchTheme()"

class="btn btn-primary btn-block btn-sm"

>

<i class="fa fa-bell"></i> Switch Theme

</button>

</li>

</ul>

</div>

</nav>

<!-- /.navbar -->

<!-- Content Wrapper. Contains page content -->

<div class="content-wrapper">

<!-- Content Header (Page header) -->

<div class="content-header">

<div class="container">

<div class="row mb-2">

<div class="col-sm-6">

<h1 class="m-0">Detecting Parkinson Disease Using ML</h1>

</div>

<!-- /.col -->

<!-- /.col -->

</div>

<!-- /.row -->

</div>

<!-- /.container-fluid -->

</div>

<!-- /.content-header -->

<!-- Main content -->

<div class="content">

<div class="container">

<div class="row">

<div class="col-lg-6">

<div class="card card-primary card-outline">

<div class="card-header">

<h5 class="card-title m-0">Healthy</h5>

</div>

<div class="card-body">

<div class="col-sm-12">

<div class="position-relative">

<img

src="../static/dist/img/healthy.jpg"

alt="Photo 1"

class="img-fluid"

width="650"

height="400"

/>

<div class="ribbon-wrapper ribbon-lg">

<div class="ribbon bg-success text-lg">Healthy</div>

</div>

</div>

</div>

</div>

</div>

<!-- /.card -->

</div>

<!-- /.col-md-6 -->

<div class="col-lg-6">

<div class="card card-primary card-outline">

<div class="card-header">

<h5 class="card-title m-0">Parkinson's Disease</h5>

</div>

<div class="card-body">

<div class="col-sm-12">

<div class="position-relative">

<img

src="../static/dist/img/parkinson\_affected.jpg"

alt="Photo 1"

class="img-fluid"

width="650"

height="300"

/>

<div class="ribbon-wrapper ribbon-lg">

<div class="ribbon bg-danger text-lg">Parkinson</div>

</div>

</div>

</div>

</div>

</div>

</div>

<!-- /.col-md-6 -->

</div>

<div class="row">

<div class="col-lg-12">

<div class="card card-primary card-outline">

<div class="card-header">

<h5 class="card-title m-0">About</h5>

</div>

<div class="card-body">

<p class="card-text">

More than 10 million people are living with Parkinson’s

Disease worldwide, according to the Parkinson’s

Foundation. While Parkinson’s cannot be cured, early

detection along with proper medication can significantly

improve symptoms and quality of life. The researchers

found that the drawing speed was slower and the pen

pressure is lower among Parkinson’s patients. One of the

indications of Parkinson’s is tremors and rigidity in the

muscles, making it difficult to draw smooth spirals and

waves. It is possible to detect Parkinson’s disease using

the drawings alone instead of measuring the speed and

pressure of the pen on paper. Our goal is to quantify the

visual appearance(using HOG method) of these drawings and

then train a machine learning model to classify them. In

this project, We are using, Histogram of Oriented

Gradients (HOG) image descriptor along with a Random

Forest classifier to automatically detect Parkinson’s

disease in hand-drawn images of spirals and waves.

</p>

</div>

</div>

</div>

</div>

<!-- /.row -->

</div>

<!-- /.container-fluid -->

</div>

<!-- /.content -->

</div>

<!-- /.content-wrapper -->

<!-- Control Sidebar -->

<aside class="control-sidebar control-sidebar-dark">

<!-- Control sidebar content goes here -->

</aside>

<!-- /.control-sidebar -->

<!-- Main Footer -->

<footer class="main-footer">

<!-- To the right -->

<div class="float-right d-none d-sm-inline"></div>

<!-- Default to the left -->

<strong

>Team: &nbsp;<a

href="https://www.linkedin.com/in/kamalesh-s-034512/"

>Kamalesh</a

>, &nbsp;<a

href="https://www.linkedin.com/in/krupa-karan-r-441150208/"

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>Maanesh</a

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>RajaRajan</a

></strong

>

</footer>

</div>

<!-- ./wrapper -->

<!-- REQUIRED SCRIPTS -->

<!-- jQuery -->

<script src="../static/plugins/jquery/jquery.min.js"></script>

<!-- Bootstrap 4 -->

<script src="../static/plugins/bootstrap/js/bootstrap.bundle.min.js"></script>

<!-- AdminLTE App -->

<script src="../static/dist/js/adminlte.min.js"></script>

<!-- AdminLTE for demo purposes -->

<script src="../static/dist/js/demo.js"></script>

<script src="https://cdn.jsdelivr.net/npm/admin-lte@3.1/dist/js/adminlte.min.js"></script>

<script>

var currentTheme = sessionStorage.getItem("theme");

var mainHeader = document.querySelector(".main-header");

if (currentTheme) {

if (currentTheme === "dark") {

if (!document.body.classList.contains("dark-mode")) {

document.body.classList.add("dark-mode");

}

if (mainHeader.classList.contains("navbar-light")) {

mainHeader.classList.add("navbar-dark");

mainHeader.classList.remove("navbar-light");

}

toggleSwitch.checked = true;

}

}

function switchTheme() {

if (sessionStorage.getItem("theme") === "dark") {

if (document.body.classList.contains("dark-mode")) {

document.body.classList.remove("dark-mode");

}

sessionStorage.setItem("theme", "light");

} else {

if (!document.body.classList.contains("dark-mode")) {

document.body.classList.add("dark-mode");

}

sessionStorage.setItem("theme", "dark");

}

}

</script>

</body>

</html>

Footer