|  |
| --- |
| <html> |
|  |  |
|  | <head> |
|  | <title>Digit Recognition WebApp</title> |
|  |  |
|  | <meta name="viewport" content="width=device-width"> |
|  | <!-- GoogleFont --> |
|  | <link href="https://fonts.googleapis.com/css2?family=Prompt:wght@600&display=swap" rel="stylesheet"> |
|  | <link href="https://fonts.googleapis.com/css2?family=Varela+Round&display=swap" rel="stylesheet"> |
|  | <link href="https://fonts.googleapis.com/css2?family=Source+Code+Pro:wght@500&display=swap" rel="stylesheet"> |
|  | <link href="https://fonts.googleapis.com/css?family=Calistoga|Josefin+Sans:400,700|Pacifico&display=swap" rel="stylesheet"> |
|  | <!-- bootstrap --> |
|  | <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" type= "text/css" href= "{{ url\_for('static',filename='css/style.css') }}"> |
|  | <!-- fontawesome --> |
|  | <script src="https://kit.fontawesome.com/b3aed9cb07.js" crossorigin="anonymous"></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://cdn.jsdelivr.net/npm/@tensorflow/tfjs@latest"></script> |
|  |  |
|  | </head> |
|  |  |
|  | <script> |
|  | function preview() { |
|  | frame.src=URL.createObjectURL(event.target.files[0]); |
|  | } |
|  |  |
|  | $(document).ready(function() { |
|  | $('#clear\_button').on('click', function() { |
|  | $('#image').val(''); |
|  | $('#frame').attr('src',""); |
|  | }); |
|  | }); |
|  |  |
|  | </script> |
|  |  |
|  | <body> |
|  |  |
|  | <h1 class="welcome">IBM PROJECT |
|  | <div id="team\_id">TEAM ID : PNT2022TMID27424</div> |
|  | </h1> |
|  | <section id="title"> |
|  | <h4 class="heading">Handwritten Digit Recognition Website</h4> |
|  | <br><br> |
|  | <p> |
|  | The website is designed to predict the handwritten digit. |
|  | </p> |
|  | <p> |
|  | Handwriting recognition is one of the compelling research works going on because every individual in this world |
|  | has their own style of writing. It is the capability of the computer to identify and understand |
|  | handwritten digits or characters automatically. Because of the progress in the field of science and technology, |
|  | everything is being digitalized to reduce human effort.</p> |
|  |  |
|  | <br> |
|  | <p> Hence, there comes a need for handwritten digit recognition in many real-time applications. |
|  | MNIST data set is widely used for this recognition process and it has 70000 handwritten digits. |
|  | We use Artificial neural networks to train these images and build a deep learning model. |
|  | Web application is created where the user can upload an image of a handwritten digit. |
|  | This image is analyzed by the model and the detected result is returned on to UI</p> |
|  |  |
|  | </section> |
|  |  |
|  | <section id="content"> |
|  |  |
|  | <div class="leftside"> |
|  | <form action="/predict" method="POST" enctype="multipart/form-data"> |
|  | <label>Select a image:</label> |
|  | <input id="image" type="file" name="image" accept="image/png, image/jpeg" onchange="preview()"><br><br> |
|  | <img id="frame" src="" width="100px" height="100px"/> |
|  | <div class="buttons\_div"> |
|  | <button type="submit" class="btn btn-dark" id="predict\_button">Predict</button> |
|  | <button type="button" class="btn btn-dark" id="clear\_button">&nbsp Clear &nbsp</button> |
|  | </div> |
|  | </form> |
|  | </div> |
|  | </section> |
|  |  |
|  | </body> |
|  |  |
|  | </html> |