Projects

LAKSHAY DHOUNDIYAL

● ARDUINO BASED LED SEQUENTIAL BLINKING / TRAFFIC-LIGHT CONTROL

✦ This project facilitates pairing an Arduino Uno with Bluetooth module for controlling RGB LEDs.

Click Here to view the Project

● ARDUINO BASED LED SENSOR & DARKNESS DETECTOR USING LDR

✦ This project demonstrates the use of a LDR as a switch. To regulate when a streetlight turns on, the LDR sensor can be installed in them. The streetlight turns off when ambient light touches the sensor, saving electricity.

Click Here to view the Project

● ARDUINO BASED ULTRASONIC RANGE SENSOR

✦ In this project, an Ultrasonic Sensor serves as a proximity meter to detect motion and turn on various LEDs in accordance with how close an object is to the sensor. These sensors are utilized in Robotic Obstacle Detection.

Click Here to view the Project

● SMART PARKING SYSTEM USING PRINTED CIRCUIT BOARD (PCB)

✦ The initiative provides precise information on parking space availability, enabling drivers of cars to park their vehicles efficiently with minimum wastage of time.

Click Here to view the Project

◉ NOTE TAKING APP USING JAVASCRIPT AND REACT.JS

- An easy-to-use Note Taking App which helps the user to store Important Notes and Information.

Click Here to view the App

Click Here to view the Code

◉ RESPONSIVE PORTFOLIO WEBSITE USING HTML, CSS AND JAVASCRIPT

- A Fully Responsive portfolio website that provides a textual and visual overview of the important projects and pieces of work that I supervised or was involved in.

Click Here to view Portfolio (1)

Click Here to view Portfolio (2)

◉ RESPONSIVE BIKE RENTING WEBSITE WITH DATABSE

- A completely Responsive website that enables customers to hire bikes on a daily basis. Users can sign up to become renters and can use any website that is listed on the website. In order to hire the bike, the customer must additionally upload proof of their licence. HTML, CSS, JavaScript, PHP, and MySQL Database were all used in the website's design.

Click Here to view the Website

◉ RESPONSIVE ONLINE E-LEARNING PORTAL / WEBSITE

- Students can access free courses on this E-learning website (E-Learn) and learn online with its assistance. Any user can sign up as a tutor or teacher and post the necessary learning materials and lectures for the students. The Website was created using HTML, CSS, JavaScript, PHP, and a MySQL database.

Click Here to view the Website

◉ ONLINE LIBRARY MANAGEMENT SYSTEM

➕ According to the needs of the students, the online library management system organises and maintains book information electronically. It enables both the administrator and the student to look for the desired book and aids in maintaining a running list of all the books that are currently available in the library. The website has been designed using HTML, CSS, JavaScript, PHP and MySQL Database.

Click Here to view the Website

◉ HOTSTAR CLONE

➕ Clone of the Hotstar website, created with HTML and CSS.

Note: For a better perspective, view the project on a computer or laptop.

Click Here to view the Clone

◉ RESPONSIVE PAYTM CLONE

➕ Completely Responsive Clone of Paytm App, created using HTML and CSS and JavaScript.

Click Here to view the Clone

◉ RESPONSIVE CHESS GAME

➕ Responsive Chess Game, created with HTML and CSS and JavaScript. To move the chosen piece, all you need to do is left-click the mouse. JavaScript is used for all gaming features, whereas HTML and CSS are used for layouts.

Click Here to view the Game

◉ WEBSITE LANDING PAGE

➕ A Simple Website landing page created using HTML and CSS. The basic layout of the landing page includes a basic navigation bar, a basic homepage, a body section, and a signup page.
The styling layout was created using CSS.

Note: For a better perspective, view the project on a computer or laptop.

Click Here to view the Project

◉ DEEPTHOUGHT STARTUP WEB-INTERFACE

➕ A Non-Responsive Interface of a Edtech Startup - "DeepThought Eductech Ventures Private Limited" created using HTML and CSS.

Note: For a better perspective, view the project on a computer or laptop.

Click Here to view the Interface

◉ TIC-TAC-TOE

➕ Tic-Tac-Toe game created using Python. A very simple two-player game in which two players can play at a time. This game is also known as Noughts and Crosses or Xs and Os game. One player plays with X & the other player plays with O. In this game we have a board consisting of a 3X3 grid.

Click Here to view the Project

◉ FOODEEZ : RESPONSIVE RESTAURANT WEBSITE

➕ A Responsive Restaurant Website developed using HTML, CSS and JavaScript. The website allows users to order food online. The functionality of the website has been extended as it is connected with a Formspree Database.

Click Here to view the Project

◉ CAPTCHA VERIFICATION FORM

✦ CAPTCHA stands for "Completely Automated Public Turing test to tell Computers and Humans Apart." It's a type of challenge-response test that websites use to determine whether the user is human or not. CAPTCHA's add security to websites by providing challenges that are difficult for bots to perform but relatively easy for humans.

Click Here to view the Project

◉ NETFLIX CLONE

✦ Netflix clone created using HTML, CSS and JavaScript. It is an online video entertainment website that broadcasts movies and TV shows over the Internet to new locations with large audiences.

Click Here to view the Project

◉ MULTIPAGE SURVEY/REGISTRATION FORM

✦ A Multi-Step Survey form designed using HTML, CSS and JavaScript. The design pattern promotes a more user-friendly way to capture user data.

Click Here to view the Project

◉ INSTAGRAM CLONE

✦ Instagram Clone built using HTML, CSS and JavaScript which includes creating a posting page where users can scroll and see the posted images and stories.

Click Here to view the Project

◉ TO-DO LIST APP

➕ A "To-Do List" App designed using HTML, CSS, and JavaScript to organize and prioritize your tasks. To-do Lists are the lists that we generally use to maintain our day-to-day tasks or list of everything that we have to do, with the most important tasks at the top and the least important tasks at the bottom. It is helpful in planning our daily schedules. We can add more tasks at any time and delete a task that is completed.

Click Here to view the Project

◉ CALCULATOR

➕ A Simple Calculator designed using HTML, CSS and JavaScript which performs basic Arithmetic Operation like addition, subtraction, multiplication, and division. It will perform decimal operations. The calculator will display Infinity if you try to divide any number by zero. It will not display any result in case of an invalid expression. Clear screen feature to clear the display screen anytime you want.

Click Here to view the Project

◉ URL SHORTENER USING PYTHON

➕ URL Shortener made using Python is a Tool which helps to reduce the length of the URL so that it can be shared easily on different platforms where number of characters is an issue.

Click Here to view the Project

◉ GUI ALARM CLOCK USING PYTHON

➕ A GUI Alarm Clock made using Python which helps the user to set the time they would like the alarm to go off. It then displays a "Deactivate" message to the user when the alarm starts buzzing.

Click Here to view the Project

◉ FLAPPY BIRD GAME USING PYTHON

➕ An endless game that includes a bird controlled by the player. The objective of this game is to prevent the bird from falling on the ground or colliding with obstacles like pipes. Every time the bird passes through the pipes, the scores increment by one. The game ends when the bird collides with the pipes or falls on the ground due to gravity.

Click Here to view the Project

◉ WEATHER APP USING REACTJS

➕ It enables users to search for weather conditions worldwide and delivers current weather information. Users can search for the weather conditions of any city in the world. The app fetches weather data using the OpenWeather API.

Click Here to view the Project

◉ RESPONSIVE ECOMMERCE WEBSITE USING PHP

➕ An e-commerce web application facilitates the platform that allows the interaction between customers with businesses that sell their products or services online with the help of the application. With the help of an application, the user can access various functionalities such as Register, Login, Add to Cart, Billing, Payment, etc.

Click Here to view the Project

◉ PORTFOLIO WEBSITE-3 USING HTML, CSS AND JAVASCRIPT

➕ A Responsive Portfolio Website made using HTML, CSS and JavaScript which shows my skills, experience, projects, and even my personality to potential clients and employers.

Click Here to view the Project

◉ VIDEO CONFERENCING WEBSITE

✦ A Video Conferencing Website made using HTML, CSS and JavaScript. It is a live video-based meeting between two or more people in different locations using video-enabled devices. It allows multiple people to meet and collaborate face to face long distance by transmitting audio, video, text and presentations in real time through the internet.

Click Here to view the Project

◉ PROJECT MANAGEMENT SYSTEM WEBSITE

✦ Designed using Technologies like HTML, CSS, JavaScript, Bootstrap, Jquery, PHP and MySQL Database. It is a means of managing a project by planning, organizing, and managing its different required aspects. It is a web-based platform designed to help individuals and teams effectively plan, track, and manage projects of all sizes.

Click Here to view the Project

◉ OS-SENTINEL : MOBILE-APP LANDING PAGE

✦ A Responsive Mobile App landing page designed using HTML, CSS and JS is a online platform designed to promote & provide information about a specific mobile application. Its primary purpose is to capture the attention of potential users, showcase the app's features and benefits, and persuade visitors to download and install the app on their mobile.

Click Here to view the Project

◉ TEMPERATURE CONVERTOR

✦ Temperature Convertor is a web-based temperature calculator application built using HTML, CSS, and JavaScript. It allows users to convert temperatures between different units, such as Celsius, Fahrenheit, and Kelvin. It helps in the conversion of the measurement units of the temperature recorded in a particular unit.

Click Here to view the Project

⊙ TEMPERATURE CONVERTOR USING PYTHON

✦ Temperature Conversion program using Python that converts temperatures between Celsius, Fahrenheit and Kelvin in python. This program defines functions to perform the temperature conversions and then provides a simple menu for the user to choose the conversion they want to perform. The program continues running until the user chooses to quit.

Click Here to view the Code

⊙ NUMBER GUESSING GAME USING PYTHON

✦ This Number Guessing Game program generates a random number between 1 and 50, and then it enters a loop where the user can input their guesses. The program keeps track of the number of attempts, provides feedback on whether the guess is too high or too low, and exits the loop when the user correctly guesses the number. It also checks for invalid input to ensure the user enters a valid number.

Click Here to view the Code

⊙ CONTACT MANAGEMENT SYSTEM USING PYTHON

✦ A simple Contact Management System program that allows users to store and manage contact information. The program should provide options to add a new contact by entering their name, phone number, and email address. It should also allow users to view their contact list, edit existing contacts, and delete contacts if needed. The program should store the contacts in memory or in a file for persistent storage. This program defines a Contact class to represent individual contacts and a Contact Manager class to manage contacts. The data is stored in memory in a dictionary. You can add, view, edit, and delete contacts using the provided options..

Click Here to view the Code

◉ SUDOKU SOLVER USING PYTHON

➕ Program in python that solves sudoku puzzles automatically. The program takes an input grid representing an unsolved sudoku puzzle and use an algorithm to fill in the missing numbers. It uses backtracking or other suitable techniques to explore possible solutions and find the correct arrangement of numbers for the puzzle. Once solved, the program displays the completed sudoku grid.

Click Here to view the Code

◉ WEB SCRAPING PROGRAM USING PYTHON

➕ A program that extracts product information, such as names, prices and ratings from an online ecommerce website and stores the data in a structured format like a CSV file. You provide the URL of the e-commerce website you want to scrape. A GET request is sent to the URL to retrieve the HTML content of the page. BeautifulSoup is used to parse the HTML and extract product information. You will need to inspect the HTML structure of the website and adjust the selectors accordingly. The extracted data is stored in a list, and then it's written to a CSV file ('product_data.csv').

Click Here to view the Code

◉ SENTIMENT ANALYSIS OF MOVIE REVIEWS USING AI

➕ A basic Sentiment Analysis tool that can classify movie reviews as positive or neagtive. Technology Stack used - Jupyter Notebook, Python, NLP and Artificial Intelligence.

Click Here to view the Project

⦿ HANDWRITTEN DIGITAL RECOGNITION USING AI

✦ A simple AI model that can recognize handwritten digits. Training a model to identify the digits (0-9) written by users and then predicting which digit is written.
Technology Stack used - Jupyter Notebook, Python, NLP and Artificial Intelligence.

Click Here to view the Project

⦿ TEXT-BASED CHATBOT USING AI

✦ A simple text-based chatbot AI model that can respond to user input with pre-defined responses. The chatbot provdies a basic Conversational experience.
Technology Stack used - Jupyter Notebook, Python, NLP and Artificial Intelligence.

Click Here to view the Project

⦿ TIC-TAC-TOE USING HTML, CSS AND JAVASCRIPT

✦ The tic-tac-toe game is for two players. One player plays X and the other plays O. The players take turns placing their marks on a grid of three-by-three cells. If a given player gets three marks in a row horizontally, vertically, or diagonally, then that player wins the game.
Technology Stack used - HTML, CSS and JavaScript.

Click Here to view the Project

THANK YOU!