SWAROOP MS

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TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript,Go, Java, Ruby, Scala

Frontend: HTML, CSS, Bootstrap

Backend, Frameworks: MongoDB, Django,sql

Other: Github, Machine Learning, Data Analysis,Data Visualization, Tensorflow, sickit learn

PROJECTS

Color Quantization Compressor

Python, K-Means clustering, Numpy,matplotlib

• Implemented an image compression application using an unsupervised machine learning algorithm. The application compresses images by reducing the color palette to a specified number of colors. In this project, the original image was compressed using 16 colors. .

ML Web App

Python,(SVM,Decision tree algorithms), Django, Bootstrap

• Machine Learning Model Web App Development: Demonstrates the process of building a web application that utilizes a machine learning model. Functional Model Demonstration: A working example of the web app is included for reference, showcasing its capabilities. Diverse Model Applications: Provides implementations for two distinct machine learning models: one for predicting diabetes diagnosis and another for customer category prediction.

Restaurant Management System

C++

• A C++-based restaurant management system that efficiently handles orders, inventory, and sales data. Menu Management: Defines and updates the restaurant's menu items, including prices and descriptions. Order Processing: Takes customer orders, calculates total costs, and tracks item availability. Inventory Tracking: Monitors stock levels of food items and alerts when supplies are low. Sales Reporting: Generates daily, weekly, and monthly sales reports, including revenue, item popularity, and profit margins.

Dice Game

HTML, CSS, JavaScript

• Practical DOM Manipulation Techniques: Demonstrates practical ways to interact with and modify the Document Object Model (DOM) using JavaScript. Improved User Experience: Effective DOM manipulation can lead to a more engaging and user-friendly web experience.

INTERNSHIP EXPERIENCE

ML Intern   Aug 2023 – Sep 2023
Karnadu Technologies   *Bangalore*

• Responsible for performing comprehensive data analysis on the dataset and training models using various machine learning algorithms.

• After extensive testing and validation to ensure accuracy, successfully deployed the models as fully functioning web applications.

• After successfully testing the model in the IDE, proceeded to develop an application that integrates the model for practical use.

EDUCATION

RRIT   Bangalore, KA
BE. in Computer Science Engineering   *Nov 2020 – May 2024*