Dayanand

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PROJECTS

i. House price prediction using machine learning
• 1. Developed a user-friendly web interface using HTML, CSS, and JavaScript for seamless interaction, enabling users to obtain house price predictions.
• 2. Leveraged data scraping techniques to compile a comprehensive dataset of Bangalore's real estate listings from diverse online sources.
• 3. Conducted data preprocessing and feature engineering to optimize data inputs for the machine learning model, utilizing Python's Pandas and Scikit-learn libraries.
• 4. Employed regression algorithms (Linear Regression, Decision Trees, and Random Forests) for accurate predictions, conducted rigorous testing and validation

ii. AsmLearn: Assembly Programming Basics with 8086 and 8051
• 1. Created an interactive educational website for beginners to learn assembly programming, focusing on the 8086 microprocessor and 8051 microcontrollers.
• 2. The website offers comprehensive tutorials, explanatory videos, and coding examples to facilitate a smooth learning experience.

iii. Virtual Mouse
• 1. Created an innovative Virtual Mouse system that allows users to control their computer cursor using hand gestures, providing a more intuitive and hands-free interaction experience
• 2. Utilized computer vision techniques to interpret different hand gestures, empowering users to perform various actions such as left-click, right-click, drag-and-drop, and scrolling with simple hand movements, ensuring smooth and accurate cursor control

iv. WhatsApp clone app
• 1. Developed a feature-rich messaging website inspired by WhatsApp, offering real-time chat functionality, user authentication, and contact management using Kotlin as the primary programming language.
• 2. Utilized Firebase for backend services, including Firebase Authentication for user registration and login, and Fire store for real-time data synchronization, ensuring a seamless and secure messaging experience.
• 3. Implemented an intuitive user interface with responsive design, providing users to send and receive messages, images, and other media files, making the WhatsApp clone website a user-friendly and engaging communication platform

EDUCATION

- B.E in Computer Science and Engineering B.M.S College of Engineering • Basavangudi, Bangalore • 2023
- Class XII Shree Guru Ind P.U College of Science • Gulbarga • 2019 • 86%
- Class X Matruchaya High School • Sedam, Gulbarga • 2017 • 90.08%

SKILLS

- HTML
- REACT
- C
- CSS
- JAVA
- SQL
- JAVASCRIPT
- PYTHON

KEY-COURSES TAKEN

- Computer Networks
- UNIX Shell and Programming
- Database Management System
- Operating System

EXTRA-CURRICULAR ACTIVITIES

- Volunteer: Mega plantation drive organized by NSS and Adamya Chetana Foundation
- Volunteer: Dheerya Foundation program to teach unprivileged students (Sai Sneha Ashram)

CERTIFICATES

- Introduction to Web Development with HTML5, CSS3, and JavaScript
- Python Basics for Data Science