SYED WAJAHAT QUADRI

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Linkedin | GitHub | Personal Portfolio Website

EDUCATION AND CERTIFICATIONS

Northumbria University - BSc Computer Science with Aritificial Intelligence   2021 - 2024
HarvardX - CS50P - Introduction to Programming with Python   2023

TECHNICAL SKILLS

Front End - React, Javascript, HTML, CSS
Back End - Java, Python, C, MySQL, MATLAB, PHP
Developer Tools - Git, Phpmyadmin, Android Studio

EXPERIENCE & PROJECTS

Part-Time ML Engineer / Data Scientist | WeHearYou   Sept 2023 - Current

Data Specialist   Python | ShotCut

- Perform data segmentation and organization adjusted to meet the specific requirements of the neural network used.
- Enhance the sign language translator by assembling and structuring a comprehensive dataset of sign language gestures.
- Utilized advanced techniques to guarantee the precision and effectiveness of data.

ML Engineer Intern | WeHearYou   May 2023 - Sept 2023

Development of Sign Language Translator   Python | Google Colab | Andriod Studio

- Compiled and organized an extensive dataset of sign language gestures.
- Used a **Google Colab** script to run sign language data through the MediaPipe system and retrieve the data points to then feed into the neural network.
- Built an ASL Translator Interface prototype using **Andriod Studio.**
- Created a functional ASL Translator prototype with integrated AI model to enable real-time translation.
- Debugged and identified model prediction issues to quickly fix bugs and improve accuracy.
- Effectively conveyed project updates, progress, and technical details to the team.

American Sign Language (ASL) Translator | SignPal   Feb 2023 - April 2023

Development of Python Application   Python

- Created a real-time ASL Translator in python using TensorFlow, MediaPipe, and Customtkinter *libraries.*
- Engineered a software solution for capturing webcam images, essential for collecting and training data.
- Employed deep learning models to detect and interpret hand gestures and movements captured by the webcam.
- Achieved robust accuracy in hand gesture recognition by training a keras model with the ASL alphabet dataset.

Java Calculator | NetBeans   2023

Development of Java Application   Java

- Implemented basic arithmetic operations - addition, subtraction, multiplication, and division.
- Designed a user-friendly graphical user interface (GUI) with intuitive buttons and display screen.
- Utilized Java and relevant libraries/frameworks for project development.
- Ensured accurate calculations and robust error handling for user inputs.
- Organized the codebase following object-oriented principles for maintainability.
- Conducted thorough testing and debugging to guarantee reliability and performance.

Website Development | Northumbria Music Company   2022

Development of Music Records Website   HTML | CSS | JavaScript | PHP | SQL | Phpmyadmin

- Dynamic aside panel featuring rotating special offers.
- Implemented login and logout functionality across all pages and provided exclusive access for logged-in users.

- Enhanced security by hashing passwords.
- Implemented session management to restrict access to administrator functionality.
- Implemented server-side data validation to ensure data integrity.
- Displays a comprehensive list of current records from the database.
- Utilized JavaScript for dynamic total cost calculation for selected records.
- Enhanced user experience by disabling the *Submit Button* until user details are completed, at least one record is selected, and terms and conditions are agreed upon.

LANGUAGES

English -**Expert**
Hindi -**Native**
Urdu -**Native**
Arabic -**Basic**