SYED WAJAHAT QUADRI

Newcastle Upon Tyne (Open to Remote) | +44 7534 860149 | quadrisyedw@gmail.com

Linkedin|GitHub|Personal Portfolio Website

EXPERIENCE & PROJECTS

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

Data Specialist   Python | ShotCut

- Performed data segmentation and organization adjusted to meet the specific requirements of the neural network used.
- Enhanced 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, Numpy, 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

- Established secure login/logout system with restricted access for authorized users.
- Implemented robust password hashing for enhanced security.
- Utilized session management for administrator access control.
- Ensured data integrity through server-side validation.
- Created a user-friendly interface displaying current database records.
- Employed JavaScript for real-time cost calculation based on selected items.

TECHNICAL SKILLS

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

EDUCATION AND CERTIFICATIONS

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

LANGUAGES

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