Diwash Adhikari

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I am someone who likes to find solutions to problems and can communicate and write technical information well. I enjoy working with others and am eager to learn new things.

Education

Kathmandu Engineering College, Tribuvan University 2018 - 2022
Bachelor in Computer Engineering, Percentage : 75.28%

Skills

Strong Knowledge: Python, javascript, nodejs, MySQL, HTML, CSS, LaTeX, REST API, Design Patterns, Data Structure and Algorithm, OOP, git, github

Familiar: C, C++, MongoDB, jQuery, ReactJS

Projects

Face Recognition Based Attendance System, Minor Project *April 2022*
A web application that recognizes the face of the student which is detected from the webcam of a computer. The system is built by training datasets which is a collection of faces of different individuals. The system is capable of recording attendance of the recognized face in the database. The system uses LBPH algorithm.

Question and Answering System, Major Project *April 2023*
A web application where users can post questions and other users having quality insights to those questions provide answers. The system also has the feature of detecting semantic similarity which forbids users to ask similar questions. The system also has the feature of contextual QA which allows user to provide a paragraph and question as inputs and the system can accurately provide answer from the given passage. The system uses BERT model and GRU algorithm.

Small Projects

- DrumKit : A javascript project which allows user to play different sounds of drum.
- Simon Game : A game created using Javascript, jQuery, HTML and CSS.
- ToDo List : A ToDo List created using nodejs, Ejs and MongoDB.
- Blog Website : A blog website created using nodejs, Ejs and MongoDB.

Publication

Yoga Pose Classification, Research Paper *Running*
A study to address the potential risks associated with incorrect yoga posture and recommend a correct way of performing yoga asanas. A real time system which identifies the practitioner's yoga pose and offers both pose classification and correction functionalities. Our deep learning model integrates the Mediapipe pose model, followed by an LSTM network providing predictions for accurate pose identification. Additionally, a pose correction module utilizes the identified keypoints to offer real-time feedback for improving the practitioner's posture.