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KUSHAL DHAKAL

SUMMARY

I am an innovative tech person pursuing bachelors degree in computer engineering with knowledge of some basic front end tools, database and designing. With keen interest in machine learning, I have abilities of diagnosing problems and developing solutions with problem-solving attitude.

SKILLS

Front End - *HTML, CSS, Bootstrap, php*

Database - *mySQL, Firebase*

Python - *Pandas, Numpy, Data Visualization, Data cleaning, Command line, probability/Statistics, Data manipulation*

PROJECTS

Social networking app for food (6 months)— *Android development*

• Built an android application where users could upload posts with or without photo of food, follow other users to see their posts on timeline.

• Users could also toggle a button for whether they have tasted the food or not.

• Used firebase as database for real time tracking of the events ongoing in the app.

• Completed the app development in provided time duration by eradicating the errors and challenges faced during the project.

Emoji generation using face detection (1 year)— *Python programming*

• Collected datasets of human faces and trained the datasets using tensorflow resulting in 78% of accuracy.

• Real-time input of images and videos from webcam for matching and generating the respective emojis

matching the facial expressions.

• Live calculation of seven emotions probability based on users facial expression in real-time

• Generation of emoji based on the facial expression provided by user on the live camera.

EDUCATION

Himalayan College of Engineering, Chyasal, Lalitpur — Computer Engineer(2072 – 2076)

I pursued my Bachelors in Computer Engineering in Himalaya College of Engineering.

Pokhara higher secondary school , bagar, pokhara — +2 Science (2015)

Completed higher secondary education in Science (Physics) with Computer and Mathematics as optional Subjects.

AWARDS & PARTICIPATIONS

Sagarmatha Hackathon (2019) — Participated

Sagarmatha Marathon was organized by Sagarmatha College of Engineering during Sagarmatha Techno-Fest a three days events. It was a 12-hour challenge to pitch an idea, present the idea, start coding for implementation and finally present the overall work progress.

Code Marathon (2019) — Won (1st position)

Code Marathon was organized by Himalaya Electronics and Computer Club (HECC) which required the participants to solve some programing challenges at a certain amount of specified time. Our group of three members completed the challenges in time with highest no. of solved questions.