Lakshit Luhadia

Student ID: 21088131

Mathematics

University of Waterloo

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✉ Email
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EDUCATION

University of Waterloo *2023-28*
Bachelor of Mathematics

Shiv Jyoti International School *2020-22*
Central Board of Secondary Education Percentage: 93 %

PERSONAL PROJECTS

Hairstyle Recommendation Tool

Tool to Recommend Hairstyle to people(Ongoing Project)
- Tools & technologies used: Python, Mediapipe, OpenCV
- Aim to help people decide a suitable hairstyle by segmenting the hairstyle on their image.
- Uses Mediapipe's face-mesh generator to determine the face shape of a person.
- Uses pre-generated data on relation between face shape and hairstyle to determine the best suitable hairstyle.

PixelPerfect

http://pixelperfectai.net:8502/
- Tools & technologies used: AWS EC2, Python, dlib, OpenCV, Streamlit
- Aim to help people sort out their images based on blurriness, person in frame, and resolution.
- Uses dlib to identify the face of a person and checks if it is not in frame.
- Website hosted using AWS EC2 and the frontend is made using Streamlit.

Personal Website

https://lakshitluhadia.github.io/
- Tools & technologies used: HTML, CSS, Javascript
- A portfolio website created for more information related to me
- This project is helpful to understand the basics on how to create a website.

Hangman Game

A fun and interactive game where you have 7 chances to guess a word
- Tools & technologies used: Python
- A Python based project which uses a file of random words to guess.

TECHNICAL SKILLS

Languages: Python, HTML, CSS, JavaScript, AWS, Google Cloud, Functional Programming
Libraries: OpenCV, dlib, Pillow, React
Frameworks: MediaPipe, Bootstrap
Technoogies: Git, Github, VScode, Streamlit

VOLUNTEERING OPPORTUNITIES

- Helped more than 100 people by curing their disease using acupressure and raised more than 120 CAD.
- Led a group of 15 volunteers to organize annual school carnival with more than 6000 people.
- Distributed free medications, masks and PPE kits to around 1000 people in need during the pandemic.

SOFT SKILLS

Soft Skills: Interpersonal Communication, Leadership, Problem Solving, Adaptability, Teamwork
Areas of Interest: Photography, Formula-1, Working-out, Ping-pong

EXTRA COURSES

Introduction to Programming Using Python: Certified course on Python by MIT from edX.

CS 50: Introduction to Computer Science: Computer Science course by Harvard from YouTube.