Shelly Sharma

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EDUCATION

B.Tech, Information Technology
Banasthali Vidyapith
2020 - 2024 *CGPA: 8.82/10.0*

Class XII(Senior Secondary)
Kendriya Vidyalaya No.1, Agra
2019 - 2020 *Score: 89.4%*

Class X(Secondary)
Kendriya Vidyalaya No.1, Agra
2017 - 2018 *Score: 86.6%*

WORK EXPERIENCE

Software Development Intern 2023
ADRDE - DRDO
05/2023 - 06/2023 *DRDO,India*

Tasks:

- Conducted research and analysis to support decision-making for a Wind Speed Prediction Model.
- Explored the capabilities of StereoLabs Zed Camera.
- Achieved object tracking effectively.

Engage Mentee 2022
Microsoft
05/2022 - 06/2022

Tasks:

- Gained valuable insights into industry best practices and Microsoft technologies.
- Built a recommendation engine under the guidance of a senior professional working at Microsoft in Summer Training.

VOLUNTEER

Sr. Executive Head - TEAM NAYAN (01/2023 - Present)
Our team aims to operate smoothly, grow, and succeed. We have reached out to several organizations for sponsorships and collaborations. Additionally, we have successfully conducted over 20 offline and 50 online events in the past 8 months.

TEAM EVEREST NGO
Designed 10 simple and easy games for the kids to play on a phone call. The games were specially designed for 3rd to 8th-grade students.

SKILLS

C\C++ | OOPs | Python | Java | Machine Learning | Data Structures & Algorithms | SQL | HTML, CSS & JavaScript

PROJECTS

Depth Sensing & Tracking of an Object
- Used: Python, OpenCV and PyZED.
- Utilized the Stereolabs ZED 2 camera to bolster 3D perception capabilities using Python and OpenCV.
- Compared different ways like color segmentation and deep learning object tracking algorithms like BOOSTING, MIL, and MedianFLow.

Mood-Based Music Player
- Used: Python, OpenCV and Streamlit.
- The website is designed to recognize 3 emotions through image capture and play music that matches the user's emotion.
- Emotions of the user will be predicted on basis of facial expressions using Python and OpenCV. The dataset was sourced from Kaggle.com with over 5000 images in each category.

Movie Recommendation System
- Used: Python, json and Streamlit.
- Built a website using Streamlit that utilizes the KNN algorithm to generate personalized movie suggestions with ease.
- Recommendations can be customized either based on previously watched movies or the preferred genres of a user.

CarBecho
- Used: Python, WebScrapping, MongoDB and Streamlit.
- Built 2 interfaces one for the buyer other for the seller
- Predict the price of second-hand cars on the basis of year, model, company, distance travelled and fuel-type.

ACHIEVEMENTS

HACK CELESTIA - 5th position
HACK CELESTIA is a National-level Hack-a-thon conducted by Mayukh-BV powered by Unstop. I and my team secured 5th position in its final Round.

We-Hack 2023
Hackathon Conducted by ReSkill and AIC, Banasthali Vidyapith to encourage entrepreneurial minds at Banasthali Vidyapith.