AMAN YADAV

2K19/IT/014

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EDUCATION

B.Tech (Information Technology)	**2019-2023**	**Delhi Technological University, New Delhi**	**8.8 CGPA (upto 5th sem)**
CBSE (Class XII)	2018	Kendriya Vidyalaya AFS Tughlakabad, New Delhi	91.8%
CBSE (Class X)	2016	Kendriya Vidyalaya AFS Tughlakabad, New Delhi	10 CGPA

WORKING EXPERIENCE

Entrepe, Freelancer **June'22 - Present**

- Worked as a **web-scraper**, developed scripts to fetch data from websites, physically scanned documents, created a **database** of **geo-coordinates** of addresses in **60+ counties over 2 billion locations** using **Geocoding APIs**, **QGIS**.

AIBOTX(AI-Toy), Machine Learning Developer **June'21 - Sep'21**

- Implemented **face-motion detection**, colours and alphabets detection, designed voice sentiment analysis model,developed **voice assistance** model from scratch using **Natural Language Processing**, **eSpeak** and MBROLA voices on **Raspberry pi**.

Progate, Campus organizer **April'20**

- Worked as campus organizer in a week of learning program by Progate, got 250+ students onboard in this program.

PROJECTS

ClassVR, (Augmented Reality Learning Platform), Dec'21 ***(link)***

- Implemented a learning **web application** platform, based on **Augmented reality**, created interesting 3D virtual reality models using **a-frame** and **ar.js**. Modules: alphabets, shapes, biology, molecular structures.
- Designed **AR music player** which plays instruments simultaneously as well as apart by detecting markers.

Sudo-koo, Visualizer & Game, Dec'20 ***(link)***

- Developed **real-time physical sudoku puzzle solver**, Implemented various **Computer Vision** operations for fetching and processing of digit, positions, grid from **physical image** captured using **Opencv**. Next, provided two options:
- i) solution on real time image using **Virtual Reality.** ii) **Interactive virtual playing GUI** designed on **Tkinter**.

Digital Attendance System, May'20 ***(link)***

- Developed a fully automatic **multi-facial attendance system** based on **Deep Learning**, created a system for **image recognition and processing**. Software designed with a **database** for learning data and has a record monitoring system.
- Having features of add & remove student and **bar graph of record**, with a **GUI** with buttons designed using **Tkinter**.

Driver Drowsiness Detection, April'20 ***(link)***

- Developed an application which uses **Machine Learning** technologies for detection of drowsiness in drivers.
- Designed a model based on **Cnn supervised learning**.other techs: **tensorflow, python**.

TECHNICAL SKILLS

- **Languages: C++, C-Programming, Python**, HTML, CSS
- **Database:** MySQL
- **Computer vision, Augmented reality,** Voice assistance, **Deep learning, Machine learning**
- **Well versed** with **Data Structures & Algorithms**, Operating Systems, OOPs, DBMS.

ACHIEVEMENTS AND AWARDS

- **Certificate of merit** awarded by CBSE for getting grade A1 in all 5 subjects, 2016
- Selected for **2nd National Conference** on "**cyber crime & digital forensics**"- **CBI**
- Completed **Google** 30-Days of **cloud** successfully.
- Among **top 12** teams in **Vihaan 4.0 Hackathon by IEEE, DTU**
- **Rank 3rd** in school in **German summer camp - max mueller bhavan**

POSITION OF RESPONSIBILITY

- **Head, Machine Learning,** IOSD DTU **July'21 – present**

DECLARATION: I hereby declare that the details furnished above are true to the best of my knowledge and belief.