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Deepak Chouhan

Linkedin - Github - Portfolio

Designing things and solving problems are two of my greatest passions. I have developed games as well as websites. I've worked with famous technologies like **Node.JS, Express.JS**. I've been concentrating my efforts lately on learning and developing my Data Science and Web development skills.

EDUCATION

Bachelor of Technology, Computer science, MIT Art, Design and Technology   **2019 — 2023**

SKILLS

Python3, CPP, Django, Java-script, HTML/CSS, Mongodb, Scikit-learn, Numpy, Pandas, Matplotlib, GitHub, Node.JS, Express.JS, Machine Learning, Googling

PROJECTS

AI-Buddy, Website to help improve commnication skill **(Github Link)**   **Aug 2021 — Dec 2021**
- **Goal** : To develop a website help users to improve their communication and presentation skills.
- **Technologies Used : Python, Pandas, Numpy matplotlib, scikit-learn, librosa, Node.JS, Express.JS, Mongodd, oAuth2.0**
- Developed front-end for the model and api integration using HTML, CSS, JavaScript.
- **Chart.js** library to display the overall progress of user.
- oAuth2.0 for better login and signup experience.
- **GNews** Api for the **blog recommendation** based on the user's interest to develop their habbit of reading.
- **Recommending courses** of various leadership qualities for user to learn them.
- Developed a Machine learning models **(Speech Emotion recognition, Filler word detector, Speech Accuracy detector)** which critique the speech/presentation given by the user.

Speech Emotion Classifier, (Github Link)   **Aug 2021 — Dec 2021**
- **Goal** : To train a machine learning model which help classify emotions from give audio sample.
- **Technologies Used : Python, Pandas, Numpy matplotlib, scikit-learn, librosa**
- The purpose of this project is to take the audio file as input and classify emotions **("Calm", "Sad", "Happy", "Fearful", "Angry")** in it.
- This Model is part of a project where we analyse the Speech/Presentation given by user with the help of machine learning.
- Used the **RAVDESS** dataset, which includes audio sample of different actors of both genders which is helpful for better Accuracy.
- Develop a ML Model with the accuracy around **90%** to classify between 5 different emotions.

CryptDiary, Personal details managing website **(Website Link)**   **May 2021 — June 2021**
- **Goal** : To Create a Website which allows user to manage their personal details.
- **Technologies Used : Node.js, Express.js, Mongodb, oAuth2.0**
- Designed and developed the website which allows user to manage their details like Credit/Debit Cards, Accounts of other websites, Addresses
- Implemented oAuth2.0 for better user experience

EXPERIENCE

Technical Team Member GDSC-MITADT (Web development)   **Sept 2021 — present**
- Developed a blog website with an integrated editor so that anyone may publish blogs.
- Collaborating with team members for developing projects and managing events.
- Working on a variety of technologies in order to develop projects.

3D Artist at Eastern Royal Company   **Aug 2020 — Nov 2021**
- Designing and modelling 3D cars for open world environment.
- Worked with 3D software like **Blender 3D, Substance painter** to design 3D assets.

PARTICIPATION'S AND ACHIEVEMENTS

Successfully developed and published a 3D Action game built with **Unity Engine (Link)**   **Feb 2021**

Open-source participation in **Hacktoberfest 2021**   **Oct 2021**

PUBLICATIONS

1.   **Deepak**, **C.** Develop Communication using Virtual Reality and Machine Learning. *IRJET* (2022).