Chiraayu Meghnani

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Education

Thadomal Shahani Engineering College   **2019 – 2023**
B.E. Computer Engineering - CGPI-8.92   *Mumbai*

Experience

VPsie.inc | *Freelance*   **September 2021 – Present**
Machine Learning Engineer   *Greater New York, USA*

- Developed a **Facial-Recognition algorithm** for first hand verification of the user, captured via a webcam video and comparing it with the previously uploaded documents, ensuring maximum security.
- Using **OCR** to extract vital information from the uploaded documents by the user for the verification on the existing data and also storing the extracted information from the document using regex. Also to verify the uploaded documents, trained a clean **CNN model** on the document images, thus ensuring two-tier security.
- Also examined different methodologies for achieving higher efficiency in extracting information through any type of document.

Projects

FLuffZone | *Django, Tensorflow, javascript, HTML, BootStrap, CSS*   **September 2020**

- A portal for all animal lovers where users can post blogs and a page for adoption where they can adopt/post pets.
- Web application with responsive UI, different sections for posting blogs creating adoptions and breed identifier while keeping in check with the integrity. taking only the necessary information for posting an adoption without risking the users identity.
- Integrated a **Deep Learning Model**, using a convolution base of **VGG16** thus also implementing transfer learning for detecting the breed of the dog, initially trained over 120 different breeds.

Fern Gallery | *Django, Tensorflow, javascript, HTML, BootStrap, CSS.*   **February 2021**

- The web application is an online plants gallery where users can buy items for their garden, divided into three subsections namely plants, gardening tools and seeds.
- Webapp enables a person to browse desired products. Integrated a Deep Learning CLassification model to help find the user the plant using only an image and letting the user know if the plant is in stock or not.

EKyc | *Django, dlib, face-recognition, opencv, javascript, HTML, BootStrap, CSS.*   **March 2021**

- Web application incorporates Artificial Intelligence for verifying the faces of a customer captured via a recorded video and comparing them with the documents uploaded by the user.
- The portal also has a 2-factor Verification and authentication where the user has to verify his phone number followed by the PRN numbers and so, the final step being face verification.

Bank WebApp | *Django, Rasa, javascript, HTML, BootStrap, CSS.*   **September 2021**

- Bank Web-application created during a 3-day hackathon to ease out the banking process for the user with maximum features installed to minimise most of the work done manually.
- Also integrated a conversation **AI bank chatbot** made using the base model of **Rasa** as to ease the banking experience through a chatbot.

Technical Skills

Languages: Python, SQL, C++, java
Machine Learning Libraries: Scikit-Learn, Tensorflow, Keras, Pandas, Numpy, OpenCv, Matplotlib, Tesseract
Web Technologies/Frameworks:Git, GitHub, CSS, HTML

Extracurricular

TSEC HACKS   **2021 – 2021**
TSEC

- Participated in the 40-hour TSEC-HACKS 2021 hackathon and bagged 3rd rank out of 78 participating teams.

GDSC Core Team   **2021 – Present**
TSEC

- Core Team Member - Google Developer Students Club TSEC.