HIMANSHU ISHWAR WAGH

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EXPERIENCE

- **Fyle Technologies-Software Engineering Intern** Bangalore,*Oct -Apr 2022*
  - Involved in a data-extraction service through which data from digital and paper receipts was extracted using **ML/AI**, and **Python**.
  - Implemented **OCR and computer vision** techniques for data extraction from receipts.
  - Designed an extractor service with integration of **AWS Textract**. Proposed an updated smart layer of code using NLP to improve extraction accuracy, boosting overall accuracy from **50% to 75%**.

TECHNICAL SKILLS

- **Operating Systems:** Windows, Mac, Linux
- **Data Science:-**
  - **Statistics:** Probability, Data Visualization and Analysis, Statistics
  - **Deep Learning:** Machine Learning Algorithms and Neural Networks (ANNs, CNNs) TensorFlow, Scikit-learn
  - **Natural Language Processing:** RNNs, Linguistic Modeling, NLTK, Spacy, Transformers
  - **Computer Vision:** Open-CV, Object detection, Yolo, OCR, Image generation, GANs
- **Programming Languages:** Python, HTML, Flask
- **Platforms:** AWS Textract, Github, Docker
- **Database:** MySQL

PROJECTS

- **Face-recognition using Face-Net and MTCNN** *Oct 2021*
  Created model for face-recognition model to predict correct label
  - Built a model using Face-Net algorithm to recognize faces from given input images. Improved accuracy using triplet loss. Face embedding created using Facenet.
  - MTCNN package is used to detect and locate faces in the image. Developed an SVM classifier to predict a given face from an image.
  - Achieved accuracy around **98%** with fast training and predictions.

- **Neural Machine Translation:** *April 2022*
  Neural Language Processing project for language translation
  - Project Goal: Word-level translation of English to the German language.
  - Data preprocessing performed to convert data into numerical form and analysis is employed to increase accuracy and better predictions.
  - Trained Encoder-Decoder LongShort TermMemory (LSTM) model and Bidirectional LSTM with Attention and achieved over **80%** accuracy.

EDUCATION

PES's Modern College of Engineering, *BE-Mechanical Engineering* – 7.31 CGPA *2017-2021*
Deogiri Junior College, HSC (12th) - 65.5 *2015-2017*
PSBA English School, SSC(10th)- 91.2 *2015*

LANGUAGES

- English, Hindi, and Marathi.

COURSES

- Deep Learning: Neural Networks-Udemy *Feb 2021*
- Computer Vision Theory & Projects-Udemy *Mar 2021*
- Complete Machine Learning and Data Science-Udemy *Dec 2020*