NILESH CHILKA | +91 808-784-0150 | nileshchilka1@gmail.com
https://www.linkedin.com/in/nilesh-chilka
PORTFOLIO
https://nileshchilka1.github.io/my-portfolio/#/
"**Published AutoEnsembler on PyPI**"

EDUCATION

Walchand Institute of Technology. **Aug 2017 – Present**
BE in Electronics & Telecommunication

Walchand College of Arts & Science. **Jul 2016 – Feb 2017**
H.S.C, Science

TECHNICAL SKILLS

***Programming Languages**:* Python, C
Tools: Pandas, Numpy, Scikit-learn, Keras, NLTK, Matplotlib, Seaborn, Flask, OpenCV
Software: Jupyter Notebook, Pycharm, MySQL

PROJECTS

Computer Vision for Blind Person: *https://github.com/nileshchilka1/Computer-Vision-for-blind-person* **Dec 2020 – Jan 2021**
- Used pre-trained **YOLOv3** model trained on Common Object in Context (COCO) Dataset for Object Detection.
- Generated the speech such as 2 Persons at center right, 2 glasses at center, 1 Chair at Bottom left.
- Deployed in **Google Cloud Platform** (GCP) using **Flask**.

Real-Time Face Mask Detection: *https://github.com/nileshchilka1/Real-Time-Face-Mask-Detection* **Oct 2020**
- Collected the data from Google, Kaggle and trained VGG16 **CNN** model for classifying the face.
- Used **fdet** for detecting the faces from the image.
- Achieved Face Mask Detection **up to 25 meters** distance with CCTV camera.

Signature Verification: *https://github.com/nileshchilka1/Signature-Verification-using-Siamese-Network* **Jul 2020**
- Collected the data from Kaggle and pre-processed the data into Anchor, Positive, Negative.
- Trained **Siamese Network** using triplet-loss by using **Keras**.
- Deployed in **Heroku** using **Flask**.

Aadhar Card details extractor: *https://github.com/nileshchilka1/Aadhaar-Card-Details-Extractor-using-OCR* **Jul 2020**
- Collected Aadhaar Card images from Google and trained VGG16 **CNN** model for classifying the given image.
- Extracted the details from Aadhaar Card using EasyOCR and face by using **Haarcascade** Classifier.
- Stored all the details in **MySQL** Database.

Sentiment Analysis of Covid-19 Tweets: *Github link* *https://tinyurl.com/seuh2mcm* **Jun 2020 – Jul 2020**
- Downloaded the dataset (sentiment140) from Kaggle and preprocessed using **NLTK**.
- Trained **LSTM** model using **Keras**.

CERTIFICATIONS

Applied Data Science with Python Specialization
- Introduction to Data Science in Python.
- Applied Plotting, Charting and Data Representation in Python.
- Applied Machine Learning in Python.
- Applied Text Mining in Python.
- Applied Social Network Analysis in Python.

Deep Learning Specialization
- Neural Networks and Deep Learning.
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
- Structuring Machine Learning Projects.
- Convolutional Neural Networks.
- Sequence Models.

Co-Curricular Activities:
- Participated in Smart India Hackathon 2020
- Participated in IBM Hack Challenge 2020
- Won **Bronze Medal** in International Olympiad of Science