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

EDUCATION

Walchand Institute of Technology. **Aug 2017 – Jul 2021**
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, Selenium
IDE: Pycharm, Jupyter Notebook ***Database:*** MySQL, MongoDB
Cloud Platforms: Google Cloud Platform

WORK EXPERIENCE

Data Scientist @ KAGLORYSIS TECHNOLOGIES. **Jun 2021 – Present**

- **Worked independently** from requirements gathering till Model deployment.
- Using **Selenium** collected historic data for model training.
- Created WebApp using **Flask** to view Live Predictions.
- Stored predictions in **SQL Server** and sent alerts wherever required.

Data Scientist Intern @ KAGLORYSIS TECHNOLOGIES. **Feb 2021 – May 2021**

Facial Analysis viz. Gender, Age, Emotion & Active Speaker Detection:

- Used open source Age, Gender & Emotion classification models.
- Trained **LightGBM** on time series distance between lips for **Active Speaker Detection**.
- Generated **ID** for each face & saved **Gender**, **Age** & **Emotion** (particular emotion in seconds) in csv.
- **Visualized** emotion data in terms of **Pie chart**, **Bar chart** & in **time series** for **decision making.**

Real-Time Bike Detection, Tracking, Counting & Speed Estimation: *https://tinyurl.com/y45abfm3*

- Collected Data by recording roads and trained **YOLOv5** model and achieved **0.85 mAP**.
- Created WebApp using **Flask** which accepts live stream address.
- Saved data like start time, end time, in count, out count of bikes for further analysis.

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**.

Aadhar Card Details Extractor: *https://github.com/nileshchilka1/Aadhaar-Card-Details-Extractor-using-OCR* **Sep 2020 – Oct 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** and analyzed the sentiments of live tweets by plotting.

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.