



# Upendra Singh Karmiyal

Machine Learning | Deep learning | Computer vision

Always feeding my curiosity.



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## SKILLS

Python



Deep Learning



Machine Learning



OpenCV



Computer Vision



Tensorflow



## INTERESTS

AI

Deep Learning

Computer vision

OpenCV

Image processing

Object detection

Philosophy

## EDUCATION

**Student**

Greater Noida Institute of technology, Greater Noida

08/2014– Present

Greater Noida, India

## COURSES

Programming in Python (05/2018 – Present) [↗](#)

*Datacamp*

Machine Learning (06/2018 – Present) [↗](#)

*Coursera*

Neural Networks and Deep Learning (08/2018 – Present) [↗](#)

*Coursera*

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization (09/2018 – Present)

*Coursera*

convolutional neural network (09/2018 – Present)

*Coursera*

Master computer vision OpenCV3 in python and machine learning (09/2018 – Present)

*Udemy*

Deep Learning for computer vision with keras and tensorflow (09/2018 – Present) [↗](#)

*Udemy*

## PERSONAL PROJECTS

Lane detection for self driving car using OpenCV [↗](#)

- ▣ Approach 1: Hough transform.
- ▣ Approach 2: Spatial CNN.
- ▣ Gray scale transform.
- ▣ Canny transform.

Customized image detection using tensorflow object detection API [↗](#)

- ▣ Installing tensorflow object detection API.
- ▣ Setup object detection API.
- ▣ Gather and label images.
- ▣ Generate training data.

Facial landmark detection Using OpenCV [↗](#)

- ▣ Detect facial landmark.
- ▣ Generate label for training data
- ▣ Predict image
- ▣ Using webcam for face detection

Segmentation of images and videos [↗](#)

- ▣ Pre processing
- ▣ Segmentation.
- ▣ Representation and description
- ▣ Representation and interpretation