

# Utkarsh Ranjan Nigam

Machine Learning & Deep Learning Enthusiast  
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## EDUCATION

**JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY**  
B.TECH IN INFORMATION TECHNOLOGY  
Expected May 2021 | Noida, India

## LINKS

Github:// [Utkarshrigan](#)  
LinkedIn:// [utkarsh-nigam](#)

## CERTIFICATION

**MACHINE LEARNING MASTER COURSE**  
by Coding Blocks

## SKILLS

### PROGRAMMING

C/C++ • Python

Familiar:

• HTML • CSS

### FRAMEWORKS/LIBRARIES

• Keras • sk-Learn • Numpy

Familiar:

• matplotlib • Open-CV

### TOOLS

Jupyter-notebook • VSCode

Familiar:

GIT/Github

### MISCL.

HTML5 • CSS3

## EXPERIENCE

### MACHINE LEARNING MASTER COURSE

| STUDENT

May 2019 – August 2019 | Delhi, India

- Learned about Machine Learning Algorithm and what's the maths behind it.
- Understood the intuition of the Deep Learning.
- Finished 4th on the leader board for this course.

### GLASSWINGS

| INTERNSHIP

June 2020 - Present | Virtual, India

- Assigned a task to create API for classification of different type of documents like Pan Card, Licence plate, Registration Certificate.
- Also the API should return the text/information in it with corresponding confidence.

### SMART INDIA HACKATHON

| FINALISTS

March 2019 | Hyderabad, India

- Shortlisted for the grand finals.
- Our Project was on Corporate social responsibility (CSR) Portal.
- I was playing a front-end developer role in the team. And also on the back-end connectivity.

## PROJECTS

### VISUAL AID FOR BLINDS

| IMAGE CAPTIONING & OBJECT DETECTION

October 2019 | Python, Keras, OpenCV, TensorFlow-GPU

- Used COCO dataset for the training.
- Used resnet to extract feature vector from the images. And created a LSTM model to predict the captions.
- Used Yolo for object Detection.
- Created Algo for Real time Image Captioning and Object detection of the Video.

### ANTI-CHEATING EXAMS

| FACE DETECTION | CLASSIFICATION | CNN | OPENCV

- This product will assist the invigilator in the exam hall to catch the student with suspicious activities .
- Also logs the time and suspicious activities of the student and plots a live graph of the suspicious activity at the time of exam for each student.

### TEXT RECOGNITION

| MARCH 2020 | CRNN, OPENCV

- Scene Text Detection
- Implemented using Convolution Recurrent Neural network .

### ML-DNN

ML-NN | GITHUB REPOSITORY |

- Contains various mini projects based on Machine Learning Algorithms.
- Contains some solved kaggle problems using ML and Deep Learning.