

# LAKSHAY CHHABRA

• Machine Learning Engineer •

## CONTACT

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## EDUCATION

**PIET, Kurukshetra University**  
(2015 - 2019)  
Bachelors of Technology  
Computer Science Engineering

## EXPERIENCE

### DataToBiz Pvt. Ltd.

Jan 2020 - Present

#### Project: Video Analytics

- Designing and Developing a multistreaming computer vision application based on Nvidia Deepstream.
- The application takes input network streams and performs various inferences to give required metadata and output network streams with bounding boxes which also syncs up with a dashboard.

**Tech Used:** Nvidia Deepstream, OpenCV, Python, Firebase, Kafka, Jetson Nano, Nvidia T4, AWS.

#### Project: Shoplifting Detection

- Computer Vision powered Shoplifting solution which alerts shopkeeper whenever it detects anomalies.
- It is based on C3D and SlowFast Network that includes temporal data as a third dimension.

**Tech Used:** Python, OpenCV, Jetson Nano, Facebook C3D, SlowFast networks.

#### Project: Face Recognition App

- On-device Facial Recognition based attendance app.
- The application built with keeping both offline and online functionalities. A user can register itself up and then mark his/her attendance using a special Liveness detection feature. The app also had functionality to mark group attendance as well.

**Tech Used:** Python, OpenCV, Android, Flask, Jetson Nano, Raspberry pie, Tensorflow.

## SKILLS

- **Language:** Python
- **Deep Learning:** Tensorflow, Keras, OpenCV, TLT
- **Machine Learning:** KNN, Decision Tree, SVM, Logistic Regression, Ensemble Models
- **Frameworks:** Flask, Deepstream
- **Cloud:** AWS EC2
- **Source Control:** Github
- **Edge Devices:** Jetson Nano, Raspberry pi

## ROLES

- Leading Team
- Creating Proposals
- Creating POC
- DevOps

## ACHIVEMENTS

**SMART INDIA HACKATHON 2017**  
1st Runner up

**SMART INDIA HACKATHON 2018**  
Reached Qualifiers