# Anushka Dhiman

## Contact

**Email:**
dhiman.anushka23@gmail.com
**My Portfolio:**
https://anushkadhiman.github.io/

## Skills

- Python
- Data Modelling, Data Mining
- Advanced Microsoft Excel and Relational database.
- Machine Learning Algorithms and Deep Learning Frameworks:
  - TensorFlow,TensorFlow 2.0
  - Keras
- OpenCV
- Flask, HTML, CSS, JavaScript
- Natural Language Processing
- Docker and Kubernetes

## Education

**B.Sc. (Hons) Mathematics** – 2016 with 72.37%
Mata Sundri College For Women, University of Delhi, Delhi

## Summary

Proficient knowledge in statistics, mathematics, and analytics. Understanding of analytics tools for effective analyses of data and looking forward to work in a competitive environment that enhances overall learning.

## Experience

**Data Scientist** March 2019 – present
**Aedifico Tech Pvt Ltd**

- Assist full time researchers with various projects
- Develop new deep learning networks
- Develop custom data models and algorithms

### Projects:

**Vegetables Object Detection for Kitchen Arm Robot using yolo-v3, FRCNN, SSD:**
The project involves a custom real-time object classifier to detect vegetables. Develeped custom object detection trained model using own dataset and then test and compare results of different algorithms.

**Road Sign Object Tracking using Simple Online and Realtime Tracking with a Deep Association Metric (Deep SORT):**
The project involves DeepSORT, a deep learning algorithm to track custom objects in a video.

**Real Time-Facial Recognition System and Face Expression, Age, Gender Recognizer using CNN in the Web Browser :**
**Tools Used:** Python, OpenCV, Feature Matching Algorithms, keras functional API, Flask, HTML, CSS, JS, Docker
It detects faces and their expression, age and gender in Images and Videos and label them on Web-Browser.

**Road Sign Detection using Yolov2, Yolo-v3, CNN:**
This project is used to identify Traffic Signs. Used Deep Learning networks such as ResNet, Inception, VGG16 on datasets such as MS COCO and ImageNet to get best prediction model.

**Chatbot using NLTK & Keras:**
**Tools Used:** Python, keras functional API, NLTK
This project involves a chatbot using deep learning techniques. The chatbot trained on the dataset using a special recurrent neural network (LSTM).