# Shivam Kaushik
Data Scientist

H.No. 111-c, Pooth Kalan
Delhi - 110086
Mob.: +91-8882649266
Email.:shivam.kaushik73@gmail.com
Web.:http://mythrex.github.io

## Links

Github:// **mythrex**
LinkedIn:// **shivamkaushik73**

## Skills

OS
GNU/Linux

LANGUAGES
Python, javascript

FRAMEWORK
Flask, FasstAPI,Node.js,
Vue.js

DEEP-LEARNING
Tensorflow, Pytorch, numPy, OpenCV

## Coursework

Linear Algebra, Multivariate Calculus
Intro to Information Theory
Data Structures, Algorithm
Operating Systems
**Machine Learning**
**Deep Learning Specialization**
Convolutional Neural Networks
Sequence Models

## Education

*2015-2019*
B.TECH. IN CSE
Guru Gobind Singh Indraprastha
University
CGPA : 7.99/10

*2014-2015*
SR. SECONDARY
Maharaja Agrasen Model School
Percentage: 90.0%

## Languages

Spanish, English, Hindi

## Experience

*MARCH 2019-SEPT 2019*  **Indian Space and Research Organisation (I.S.R.O.)**
**Deep Learning Intern**

Worked on Neural Architecture Search. Developed a Novel architecture for segmentation tasks. Differential Architecture Search (DARTS) was adapted for dense image prediction.
Hyper Opt algorithms like Hyper Band and Bayesian Optimisation of Hyper Band (**BOHB** ) were used to find best hyper parameters and network architectures.

*Pytorch, , Numpy, Scipy*

*JUN 2018 - AUG 2018*  **Trulymadly Matchmakers Private Limited (Delhi)**
**Back-end Developer**

Developed on real-time group chat app made using nodejs.
The development was taken from scratch to first public release.

*NodeJS, MongoDB, SailsJS*

## Project / Blog

*2020*  **Dreaming over Text**  **Deep Learning**

A Blog explaining how can deep-dream can be implemented on text data. And how can it be interpreted. Like deep dream in the image, what if we take any hidden layer activation and try to increase its norm, what will happen to the text input?

*2019*  **Darts-Unet(Research Project)**  **Deep Learning**

Research Project for automatically search high performance cell architecture for semantic segmentation. Currently DARTS is for object detection only. It is being adapted to semantic segmentation.

*2018*  **OMR Scanner**  **Web, Image Processing**

Scanning OMR requires special hardware but in this project, we used Open-CV to detect and evaluate the marked bubbles.

## Achievements/Awards

*2019*  **Data Science Bowl**  **Top 11%**

Data Science Bowl is the world's largest data science competition focused on social good.

*2018*  **Smart India Hackathon**  **Finalist**

This nationwide hackathon was hosted by ISRO, challenged contestants to provide a solution to tree-detection, road segmentation on ISRO dataset. We were selected the only team for internship at ISRO.

*2017*  **NSIT Fin-tech Hackathon**  **2nd Runner Up**

The solution was to connect property owners and load lenders.