# Rahul Kumar | CS21M049
**Indian Institute of Technology Madras**

## Education

| Program | Institution | %/CGPA | Year |
|---------|-------------|--------|------|
| M.Tech. (Computer Science and Engg.) | Indian Institute of Technology Madras | 7.53 | First Sem |
| B.Tech (Computer Science and Engg.) | IEM Kolkata, (West Bengal) | 7.97 | 2020 |
| XIIth Std. - BSEB | JJS College Belmegh, Samastipur (Bihar) | 67.4 | 2015 |
| Xth Std. - BSEB | SSH School Muktapur, Samastipur (Bihar) | 75.2 | 2013 |

## Course Work

- **Algorithms**: Advanced Data Structures and Algorithms. Topics in Design and Analysis of algorithm[@]
- **Computer Science**: Operating System, Computer Networks,Database Management System, Digital testing and test table design[@]
- **Machine Learning**: Pattern Recognition, Introduction to Machine Learning by Andrew Ng[*]
- **Deep Learning**: Deep Learning Specialization by Andrew Ng(First 3 courses)[*]
- **Programming Language** : Python Masterclass from Udemy
- **Parallel Programming :**GPU programming(with CUDA)[@]

## Technical Skills

- **Programming Languages**: C, C++, Python.
- **Tools and Libraries**: LaTeX, Numpy, Pandas, Matplotlib.

## Course Projects

**INDIAN CURRENCY RECOGNITION SYSTEM** **July 2020**
*Faculty: Prof. Shubhasri Roy, Team size : 2* *Convolutional Neural Network*

- It is based on Convolutional Neural Network. Given an image of a Indian currency it tell which denomination currency it is.
- OpenCV has been used for image proccessing and Used CNN Model for training.
- Got an accuuracy of 99.44% on Training set and 98.88% on Test set.

## Scholastic Achievements

- Secured All India Rank 525 among 98 thousand appeared candidates in GATE 2021.

## Extra Curricular Activities

- Participated in 6km IEM-UEM Kolkata MARATHON and finished the marathon in 46 mins.

@-Ongoing Course, *-Online Course, IEM- Institute of Engineering and Management