

**EDUCATION**

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**Courant Institute of Mathematical Sciences, New York University**

New York, NY

*Masters in Computer Science, GPA: 3.945/4.0**Sept. 2018 - present***Tutor** for Computer Vision(Grad Course) by Rob Fergus - **Fall 2019**.**Section Leader** and **Grader** for Data Structures by Chee Yap - **Spring 2019 & Fall 2019**.**Grader** for Data Structures by Young Kun Ko - **Spring 2019**.**Section Leader** for Maths and Computing by Joanna Klukowska - **Fall 2018**.**Indian Institute of Technology (IIT)**

Hyderabad, India

*Bachelor of Electrical Engineering, GPA: 9.35/10.0**Aug. 2014 - May. 2018***Excellence in Research Award** at IIT Hyderabad.**Best student project award** in Graduate Image and Video Processing Course at **IIT Hyderabad**.**3rd** and **2nd** in Hackathons by IBM Bluemix and Progress Software respectively.**Relevant Courses** :- Pattern Recognition and Machine Learning, Computer Vision, Image and Video Processing, Data Science Analysis, Speech Systems, Statistical Learning Theory, Optimization Methods in Machine Learning, Algorithms.**Top 1%** in JEE Advanced Exam(out of 15,00,000 students).Highest GPA in **3rd** semester.Offer from **Yahoo Japan, Tokyo** as Research Engineer in Machine Learning(selected 9 students from India).**ARTICLES**

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"Variational Bayes: A report on approaches and applications" **Arxiv 2019**YM Srikar and **K Chandra Prakash**."Optical Character Recognition (OCR) for Telugu: Database, Algorithm and Application." **ICIP 2018****K Chandra Prakash**, YM Srikar, Gayam Trishal, Souraj Mandal, and **Sumohana S. Channappayya**."CNN based approach for activity recognition using a wrist-worn accelerometer." **EMBC 2017**Madhuri Panwar, S Ram Dyuthi, **K Chandra Prakash**, **Amit Acharyya** et al."IITH SPCUP Project Report" **ICASSP 2016(SPCUP)****K Chandra Prakash**, Ram Dyuthi, Anumandla, Francis KJ, **Sumohana Channappayya** et al.**8th** World Wide and **Special Recognition** for young team in top 10.**INTERNSHIPS**

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**Software Development Intern, Amazon**

June 2019 - Aug 2019

*Languages :- Python**Tools :- PyCharm*

Developed self-service tools for Alexa Scientists as a part of Alexa ASR Core Automation Team.

With Acoustic Model(AM) and Language Model(LM) score(confidence) tools closing recognition error tickets is quicker.

Completed the design, implementation for AM and LM tools and pushed them into mainline.

**Software Engineer ML, Defence Research and Development Organisation**

Mar 2018 - Apr 2018

*Languages :- Verilog and C, Advisor :- Amit Acharyya**Tools :- Xilinx*

Realization of new architecture for convolution and implementation of CNN in C and hardware.

**Computer Vision and Deep Learning Research Intern, IISc Bangalore**

May 2017 - Jul 2017

*Languages :- Python, PPT Proof**Tools :- Tensorflow, PyTorch and Caffe*

Developed a technique for localizing action-participating entities in videos using weak supervision.

Nets which were trained for Action classification(C3D, Two-Stream, TS-LSTM) were used for this purpose.

**Software Engineer, Machine Learning Internship, Uurmi(Mathworks)**

May 2016 - Jul 2016

*Languages :- C++ and Matlab, Proof**Tools :- Matlab*

Implemented Pedestrian Detection for Indian roads and Obstacle Detection for Night Vision Systems.

ACF Pedestrian Detector(17% miss rate)(Indian Data) that is deployable on Tegra Board(C++).