

S. MOHANA KRISHNA

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[Personal Website](#) | [Github](#) | [LinkedIn](#)

Education

Master of Science in Computer Science

AUG 2019 - PRESENT

University of Colorado Boulder, Boulder, CO, US

Graduation Date: May 2021

Bachelor of Technology in Electronics Engineering

JULY 2011 - MAY 2015

Indian Institute of Technology (B.H.U.), Varanasi, India CGPA: 7.50/10

Professional Experience

Jr. Research Scientist

DEC 2018 - JUNE 2019

myKaarma, Noida, India

- Worked on improving the accuracy, using crowdsourcing techniques, of an internal bot, which uses natural language processing to suggest replies for incoming messages.

Senior Software Engineer

JUNE 2015 - DEC 2018

myKaarma, Noida, India

- Was involved in many projects involving designing APIs, implementing single sign on using SAML, UI related projects to name a few.
- Developed and maintained a reporting application, developed on Google Apps Script and MySQL, to give our customer insight into the usage of the application like the count of payments taken, calls attended etc..

Projects

Semantic Segmentation

MACHINE LEARNING NANODEGREE PROGRAM, UDACITY, 2017

- Used transfer learning i.e used a pre-trained VGG16 model, trained for the task of object detection with some modifications and re-tuned it for the task of semantic segmentation.
- Augmented PASCAL VOC dataset of 8498 images was used to train the model.
- The mean IOU achieved was 0.52 on validation set and 0.573 on test set.

Detection of Adult Content in Images

JUNE 2014 - MAY 2015

B.TECH PROJECT, INDIAN INSTITUTE OF TECHNOLOGY (B.H.U.), VARANASI

- Developed a model to classify a given image as adult content or not. The model used 19 features, comprising of color and shape features, and trained a random forest comprising of 200 trees, for the task of classifying an image as adult content or not and achieved an accuracy of 80%.

Technical Skills and Interests

Interests: Machine learning, Computer vision, Robotics **Languages:** C, Java, Python, MATLAB

Database: MySQL, MongoDB, REDIS

Framework: GWT, Hibernate, Spring

Web Technologies: HTML, CSS, JavaScript, CSS3

Additional Courses

- Machine Learning NanoDegree by Udacity,
- Learning From Data by Prof. Yaser Abu Mostafa of Caltech