

# Bhargav Kadupukutla

Visakhapatnam, Andhra Pradesh

erily12

balu.bhargav186@gmail.com

erily12

8309676523

## EDUCATION

**National Institute of Technology, Silchar**  
*Bachelor of Technology in Electrical Engineering*  
**Narayana Junior College**  
*Intermediate (Mathematics, Physics, Chemistry)*

**July 2016- May 2020**  
CGPA : 7.70

**June 2014 - April 2016**  
Percentage : 97.9

## PROJECTS

*Calorie Estimation using Segmentation Algorithms.*

We built a shallow deep neural network to classify the Indian food items and then using GrabCut algorithm we segmented the required part. Then using volume estimation techniques we successfully calculated the approximate calories carried by the food item. We built the custom dataset of the food images by python web scraping

*Image Colorization with Deep Convolutional Neural Networks.*

This project presents a convolutional neural network that faithfully colorizes the black and white photographic images without any human assistance. The final classification based model we build generates colorized images that are significantly more aesthetically pleasing than those created by the base line regression-based model.

*Generating Memes using Deep learning.*

In this project, we specifically refer to meme generation as the task of generating a humorous caption in a manner that is relevant to initially provided image(meme template). Our model uses a pretrained Inception-v3 network to return an image embedding which is passed to an attention-based deep-layer LSTM model producing the caption.

*Solar Irradiance Forecasting using LSTM networks*

This project proposes a novel granule processing based structure for prediction intervals (PIs) development of solar irradiance time arrangement that has significant impacts on sun oriented force creation. Recognized from most existing strategies, the new casing work can address both stochastic and information vulnerabilities in developing PIs.

## SKILLS

<b>Languages</b>	Python, C, C++, Java.
<b>Tools/ Frameworks</b>	Pytorch, Tensorflow, Keras, Spring, Git.
<b>Artificial Intelligence</b>	Machine Learning, Deep Learning, Computer Vision, GANs, Natural Language Processing*.
<b>Undergraduate</b>	Algorithms, Datastructures, Control Systems.

## EXPERIENCE

**Visakhapatnam Steel Plant(RINL)**  
*Internship*

**Vizag, India**  
*December 2018*

- On-site internship under this leading Steel company. Learned how high tension machines work and repair them in case of any problem. Also learned how can we implement the Control engineering techniques for better outputs and efficiency.