

BOGI VINAY KUMAR

Computer Vision Engineer at L&T tech svcs, Bangalore, India
Graduate from dept. of Electrical engineering
from IIT Hyderabad, Hyderabad, India
ee14btech11007@iith.ac.in
Contact : +91-8074587260

EDUCATION

University

IIT HYDERABAD	Hyderabad
- CGPA: 8	2014 - 2018

Intermediate

SRI CHAITANYA JUNIOR COLLEGE	Hyderabad
- PERCENTAGE: 95.3	2012 - 2014

Matriculation

SRI CHAITANYA TECHNO SCHOOL	Visakhapatnam
- GRADE POINTS: 9.5	2011 - 2012

SKILLS

Programming Languages

- C, C++, Python, VHDL, Verilog.

Tools and frameworks

- Xilinx ISE, Matlab, Scilab, Scipy, Numpy, Matplotlib, Model sim, OpenCV, ROS, FPGA, Raspberry pi, Arduino, Nvidia tegra platforms, TitanXP, Tensorrt, Scikit, Pandas, cuda, caffe, TensorFlow, Pytorch, NoSQL, SQL databases.

OS

- Windows, Linux.

Basic knowledge

- Assembly, Embedded C, HTML.

KEY COURSES AND GRADES

EMBEDDED SYSTEMS	-----	A
DIGITAL SYSTEMS DESIGN	-----	A-
DIGITAL SIGNAL PROCESSING	-----	A-
INTRODUCTION TO MULTIMEDIA	-----	A-
RANDOM PROCESSES	-----	A

WORK EXPERIENCE

Computer Vision Engineer (Aug 2018 – present)

- I have been building video surveillance applications especially on human activity recognition for identification of anomalous activities and human pose estimation for a sports platform application being developed for a sports equipment manufacturing company. I have also worked on face recognition technology, segmentation and tracking technologies in multi camera view configurations installed in a smart building management platform and on site worker monitoring framework. Apart from building accurate models for the applications mentioned, I have brought in high performance into applications by incorporating them into low power embedded nvidia platforms by cuda C++ programming.

Summer Internship (May. 2017 - Aug. 2017)

- I have worked in the path planning section as part of image processing group in Autonomous vehicle development team at Urmilabs in Hyderabad, India (merged into Mathworks). My primary role during the internship is to develop a global path planner for the car given the map for the testing environment.

Traction motor control for Indian Railways LOCO (winter internship) (Nov. 2016 - Feb. 2017)

- In this project, I am given certain constraints imposed on temperature values of a heating chamber inside a train engine loco that encapsulates a traction motor using which the traction motor has to be put into operation. Also the values of temperatures are stored in real time in a raspberry pi on board with the motor and status of the entire system is sent to an web application in real time from a server on raspberry pi.

EXTRA CURRICULARS & POSITION OF RESPONSIBILITY

- I have worked as TA for a 2 credit course Data analytics under Prof. Dr. GVV Sharma. An active member of NSO cricket team.