

# Poojith U Rao

UG Student

## Contact

+91 8867680767  
poojithumeshrao@gmail.com  
github.com/poojithumeshrao

## Interested in

Deep Learning  
Software Development

## Programming

C,C++,python  
8051,AVR assembly

## OS Exposure

Linux  
Windows

## S/W Exposure

Tensorflow,MATLAB  
Atmel Studio  
Android Studio  
OpenCV,OpenGL

## H/W Exposure

Raspberry pi  
Atmega,8051  
FIREBIRD V  
TIVA,MSP430

## Education

2015– 2019	<b>Bachelor of Engineering in ECE</b> CGPA : <u>9.22</u>	National Institute of Engineering
2013– 2015	<b>12th Board</b> percentage : <u>95.6%</u> CET : <u>1180</u>	Vijaya Vittala PUC
2010– 2013	<b>10th Board</b> percentage : <u>95.36%</u>	Marimallappa High School

## Projects

2018	<b>Speech to Text Conversion</b> <i>Tensorflow model with conv-resnet and RNN layers to convert English to text</i>	
2017	<b>Dogs vs Cats</b> <i>Multi-layer CNN to distinguish photos of cats and dogs</i>	
2016	<b>PINTOS - 1</b> <i>Implemented priority scheduling and priority donation in PINTOS</i>	Stanford University
2018	<b>Gesture Contolled Music System</b> <i>Gestures detected by OpenCV library was used to control the music</i>	

## Curriculum Projects

2018	<b>Automatic object Classisfication</b> <i>Robot which classifies large and small blocks using image processing.The robot moves around the room in search of blocks if none are in its vicinity</i>
2017	<b>Smart Street Lamps</b> <i>Automatic brightening and dimming of street lamp based on the presence of cars using image processing</i>
2018	<b>2 Cars</b> <i>Graphics for the "2 cars" game was coded in c++ using glut library</i>
2018	<b>Digital TDM</b> <i>8-bit data on three channels were multiplexed along with 1 sync bit</i>
2017	<b>FM Transmitter</b> <i>FM station playing my favourite songs on 94.6Mhz</i>
2017	<b>Lab manual for AVR Assembly Language</b>

## Other Activities

- Class Representative,Student mentor
- Completed GIAN Course on 'Big Data' with 'A' Grade
- Attended workshops on machine learning, Arduino, AVR
- Love cycling, cooking, music, novels and watching TV Series