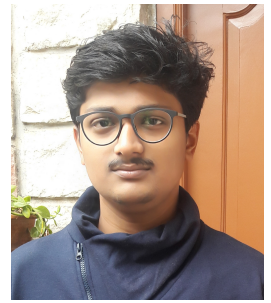# Kiran S Patil

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OBJECTIVE

An Electronics and Communication third-year undergraduate student seeking to pursue a career in the field of Robotics, Embedded Systems and Deep Learning.

EDUCATION

Degree	College/School	University/Board	Passing Year	Percentage
B.E (Electronics and Communication)	KLS Gogte Institute Of Technology, Belgaum	Autonomous Under Visvesvaraya Technological University	2019	8.23 CGPA (1st-sem to 5th-sem)
12th	Kendriya Vidyalaya No.2 Cantonment, Belgaum	Central Board of Secondary Education, Delhi	2015	83.80%
10th	Kendriya Vidyalaya No.2 Cantonment, Belgaum	Central Board of Secondary Education, Delhi	2013	8.4 CGPA

PROJECTS

1. **Harvester Bot-eYRC 2017**
   An autonomous robot which identifies(using image processing), plucks and deposits the required fruits on an abstract farm.

2. **Path finder**
   An autonomous robot that can traverse to its given destination even when an obstacle is introduced in its path, by managing to take an best alternative path to its destination.

3. **Obstacle detector**
   A prototype using Arduino Uno and HC-SR04(Ultrasonic sensor), which detects an obstacle/object and returns the distance.

4. **Object Identifier**
   Identification of an object based on its colour and size using image acquisition technique in MATLAB.

TRAINING & INTERNSHIP

- **RTL Design using Verilog**
  Certification course under IEEE blending learning program

RESEARCH PUBLICATIONS

1. None

TECHNICAL SKILLS

- **Programming Languages** :- C, Matlab, C++, Python, Embedded C, ARM Assembly, HTML, CSS, Verilog HDL.

- **Hardware Knowledge** :- Atmel ATmega 2560, Arduino, Raspberry Pi, LPC2148.

- **Software Knowledege** :- OpenCV, Numpy, Cadence Virtuoso, Keil uVision4, Xilinx ISE, Vivado, Multisim and Simulink.