

# Karthik Vivek Nayak

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**Address:**

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## objective

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An Electronics and Communication pre final-year undergraduate student seeking internship and training opportunities in embedded systems domain, to hone my skills with a vision to develop system(s) that would enhance life on earth.



## education

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Degree	College/School	University/Board	Passing Year	Score
B.E.(ECE)	KLS Gogte Institute of Technology, Belgaum	Autonomous Institute under Visvesvaraya Technological University	2019	9.14 CGPA (Sem 1-5)
12th	Expert PU College, Kodialbail, Mangalore	Department of Pre-University Education, Government of Karnataka	2015	96.67%
10th	Kendriya Vidyalaya NO.2 Cantonment Belgaum	Central Board of Secondary Education (CBSE)	2013	93.1%

## projects

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- Harvester Bot- Eyantra Robotics Competition 2017-18**  
A fully autonomous robot that harvests fruits in an abstract farm.
- Real Time Obstacle Evading bot**  
A fully autonomous robot that can reach its destination even on introduction of obstacles in its path, by taking another best alternate path.
- Mini Project: Traffic signal management using LPC2148.

## training and internships

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- **Hardware Modeling Using Verilog**  
course offered by NPTEL.
- Course on Python Programming.

## research publications

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1. none

## technical skills

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- **Programming Languages**
  - **Proficient:** C, Verilog HDL, Embedded C.
  - **Intermediate:** Assembly language, Python, C++.
  - Currently learning to code in python, effectively.
- **Hardware Knowledge:** NXP LPC2148, ATmega2560, Raspberry pi.
- **Software Knowledge:** Familiar with Xilinx ISE, Vivado, Keil uvision, Cadence Virtuoso, Matlab, Scilab, Simulink.

## soft skills

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1. **Languages:** English, Konkani, Hindi, Marathi, Kannada.
2. **Analysis:** Good at analysing situation(s) and ability to take appropriate decisions.
3. **Teamwork:** Responsible, dedicated, dynamic, friendly and capable.
4. **Leadership:** Capable of leading the team effectively.
5. Have sound work ethic and a philozoic by nature.

## extra-curricular activities

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- Member of Lead Cell GIT, a social and innovation club.
- Regularly involved in creating awareness regarding the need to follow traffic rules in the city.

## co-curricular activities

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1. **1st Prize:** e-Yantra Robotics Competition 2017-18 in the theme Harvester Bot.
2. **Topper** (top 5% of certified candidates): *Hardware Modeling Using Verilog*, a course offered by NPTEL.