

Karthik Vivek Nayak

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objective

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

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

- 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

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

research publications

1. none

technical skills

- **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

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

- 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.