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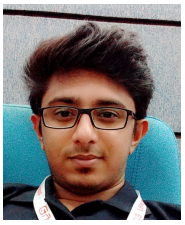

Objective

An electronics and communication third year undergraduate student seeking opportunities in the field of embedded systems, robotics and computer vision.

Education

Degree	College/School	University/Board	Passing Year	Percentage/CGPA
B.E Electronics and Communication	K.L.S Gogte Institute of Technology, Belgaum	Autonomous Institute under Visvesvaraya Technological University	2019	9.20(Sem 1 to Sem 5)
XII (Senior Secondary), Science	R.L.S college, Belgaum	Department of Pre-University education, Karnataka	2015	89.5%
X (Secondary)	B.M.E.M.H.S, Dharwad	Karnataka Secondary Education Examination Board	2013	95.04%

Projects

1. Harvestor Bot for E-Yantra Robotics Competition 2017-18.
   (a) Autonomous robot developed for harvesting of fruits.
   (b) Uses Image Processing techniques for fruit identifaction.
2. Automatic Helmet Detection using Neural Networks. [Ongoing]
   (a) Trained neural networks classify bikes and other vehicles.
   (b) Another neural network is used to differentiate between a biker with and without helmet.

3. Advanced Water Level Controller Using Arduino.
    (a) Automatically detects the water level, indicates on an LCD and controls the motor.
4. Androbot.
    (a) Bluetooth controlled robot.
    (b) Additional feature:- Obstacle Detection.
5. Sixth sense robot.
    (a) Uses colour detection to traverse.
    (b) Serial communication between PC and robot.

Trainings and Internships

- Course on Machine Learning [Ongoing]
- Introduction to digital image and video processing.
- Participated in a workshop on Sixth Sense Robotics conducted at IIT Bombay during TechFest 2016-17.
- Participated in Androbot workshop conducted by TechKriti, the annual Technical and Entrepreneurial Festival of IIT Kanpur, 2016.

Research Publications

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1. None

Papers Presented

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1. Image Recovery Using Neural Networks.

Technical Skills

- **Programming Languages :-** C, Matlab, Python, Embedded C, ARM Assembly.
- **Hardware Knowledge :-** ATmega microcontrollers, Arduino, Raspberry Pi, LPC2148.
- **Software Knowledge :-** Familiar with OpenCV and Numpy libraries and tools such as Cadence Virtuoso, Multisim, Xilinx ISE, Keil uVision 4.