

# Akshay Vijay Bhosale

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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. Harvester Bot for E-Yantra Robotics Competition 2017-18.
  - (a) Autonomous robot developed for harvesting of fruits.
  - (b) Uses Image Processing techniques for fruit identification.
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**

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- 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.