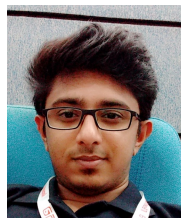


# Akshay Vijay Bhosale

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Vijayanagar 3rd Cross,  
Hindalga Road,  
Belagavi-590118.

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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.

## **Research Publications**

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1. None

## **Papers Presented**

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1. Image Recovery Using Neural Networks.

## **Technical Skills**

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- **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.

## **Soft Skills**

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1. Flexibility, Dedication, Teamwork, Communication, Responsibility.

2. Cleared Cambridge English: Business Preliminary (BEC Preliminary) with B2 certification level.

#### Extra Curricular activities

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- Part of the plantation drive conducted by Naviours group in the city of belagavi.
- Co-ordinated and organized various events during Aura, the cultural fest of K.L.S GIT Belagavi.

#### Co-Curricular activities

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1. Secured **1st Prize** in E-Yantra Robotics Competition 2017-18 in the theme Harvester Bot.
2. Secured **1st Place** in Flipped Logic, an event under Panchajanya'16, a Tech-Fest held at K.L.S GIT, belagavi.
3. Secured **1st Place** in Lazer Mazer, an event under Panchajanya'16, a Tech-Fest held at K.L.S GIT, belagavi.

#### Personal Details

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- **Father's Name :-** Vijay P Bhosale
- **Mother's Name :-** Bharati V Bhosale
- **Sex :-** Male
- **Date of Birth :-** 26 May 1997
- **Nationality :-** Indian
- **Marital Status :-** Single

#### References

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1. Dr. Prashant Patavardhan, Head of Department, Electronics and Communication Engineering, K.L.S GIT belagavi | pppatavardhan@git.edu | 944891840.
2. Prof. Supriya S Shanbhag, Assistant Professor, Electronics and Communication Engineering, K.L.S GIT belagavi | ssshnanbhag@git.edu | 9845306767.

#### Declaration

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I hereby declare that all the details provided are true to the best of my knowledge.

#### Date

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18-04-2018