

# AKSHAY KALKUNTE SURESH

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#358,10th cross,  
Mahalakshmi Layout,  
Bangalore, 560086

To learn more and pursue research in the field of machine learning and artificial intelligence to solve societal problems.

## EDUCATION

PES Institute of Technology ,Telecommunication Engineering,  
CGPA: 8.93/10.0 (expect to graduate in June 2017)

VVS Sardar Patel Pre-University College,  
Physics,Chemistry,Mathematics,Electronics  
Aggregate : 91%

## AWARDS/ SIGNIFICANT MILESTONES

**Top 5 project award** **Jan 2016**  
Title: Multi-function Braille Writer  
Mentor: Prof. Geetha Prakash  
Wipro South Zone competition, Prakalpa

**Qualified for the National level of Prakalpa by Wipro**

**1st place in Arduino Programming Challenge** **Jan 2016**  
Shaastra, IIT Madras

**3rd place in Microthon** **Jan 2016**  
Shaastra, IIT Madras

**Finalist in the IEEE Tech Quiz 2.0** **November 2013**  
PESIT

## PROJECTS

**Distilling Knowledge from Multimodal Deep** **July 2016**  
**Models: Interpretable Deep**  
**Computational Phenotyping**  
Generating meaningful data-driven  
representations and patterns of diseases from deep models.  
Guide: Dr. Yan Liu,  
Melady Lab, University of Southern California, Los Angeles

**Autonomous Object Tracking and Obstacle  
Avoiding Multirotor** **May 2016**  
Multi-rotor solving a dynamic maze autonomously

Organization : Aeolus, PES Institute of Technology, Bangalore

**Face recognition with machine learning** **December 2015**  
Training a Neural Network with backpropagation to  
recognize faces

Guide: Prof. M.Mahendra Nayak,  
CORI Lab,PES Institute of Technology, Bangalore

**Shooting Range Simulator** **July 2015**  
A Virtual shooting range with OpenCV for use  
by defence personnel for training.

Guide: Prof. M.Mahendra Nayak,  
CORI Lab Summer Internship, PES Institute of Technology, Bangalore

**Kinetic Energy Harvester** **April 2015**  
An alternate source of electricity harvesting kinetic  
energy through hand movements

Guide: Dr. J.Manikandan,  
CORI Lab,PES Institute of Technology, Bangalore

**Autonomous Quadcopter** **July 2014**  
A drone to relay ground conditions during calamities  
by autonomously mapping the affected areas to hasten  
relief operations

Guide: Dr. A. Srinivas  
Student Nokia Developer Lab, PES Institute of Technology, Bangalore

**PROGRAMMING  
SKILLS**

C, C++, Python, Java, Matlab

**TECHNICAL COURSES**

Linear Algebra, Basic Electronics, Signals and systems,Digital Signal  
Processing, Probability Theory,OpenCV with C++(Oreilly), Machine  
Learning by Andrew N.G. (Coursera), Artificial Neural Networks.

**LANGUAGES**

English, Kannada, Tamil